

<110> INCYTE CORPORATION; HAFALIA, April J.A.
 LEE, Soo Yeun; MURAGE, Jaji;
 SWARNAKAR, Anita; CHAWLA, Narinder K.;
 KHARE, Reena; ELLIOTT, Vicki S.;
 TRAN, Uyen K.; RAMKUMAR, Jayalaxmi;
 GURURAJAN, Rajagopal; BAUGHN, Mariah R.;
 GIETZEN, Kimberly J.; YANG, Yonghong G.;
 CHIEN, David; WANG, Jonathan T.;
 FAVERO, Kristin; BECHA, Shanya D.;
 RICHARDSON, Thomas W.; JIN, Pei;
 HAWKINS, Phillip R.; YUE, Henry;
 LEE, Ernestine A.; MARQUIS, Joseph P.

<120> KINASES AND PHOSPHATASES

<130> PF-1617 PCT

<140> To Be Assigned
 <141> Herewith

<150> US 60/423,226
 <151> 2002-11-01

<150> US 60/426,713
 <151> 2002-11-15

<150> US 60/429,766
 <151> 2002-11-26

<150> US 60/447,043
 <151> 2003-02-11

<160> 112
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7521809CD1

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Met	Asn	Asp	Pro	Asp	Val	Gln	Ala	Gln	Val	Gln	Val	Leu	Ser	Ala
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Ala	Leu	Arg	Ala	Ala	Gln	Leu	Asp	Cys	Val	Asn	Glu	Ala	Glu	Ser
				20					25					30
Lys	Pro	Thr	Ala	Gly	Leu	Lys	Glu	Val	Ser	Ile	Ser	His	Pro	Ser
				35					40					45
Ser	Ala	Ser	Asp	Asn	Gln	Ile	Ala	Leu	Ala	Ala	Ser	Ser	Ser	Gln
				50					55					60
Asp	Glu	Leu	Phe	Val	Ala	Arg	Ile	Leu	Gln	Ser	Pro	Asp	Pro	Gly
				65					70					75
Gly	Pro	Arg	Asn	Gly	Thr	Ser	Asp	His	Leu	Glu	Thr	Asp	Gln	Arg
				80					85					90
Gln	Asp	Pro	Thr	Pro	Leu	Glu	Glu	Asn	Lys	Ser	Lys	Leu	Gln	Asp
				95					100					105
Val	Ile	Pro	Gln	Pro	Leu	Leu	Asp	Gln	Tyr	Val	Ser	Met	Thr	Asp
				110					115					120
Pro	Ala	Arg	Ala	Gln	Thr	Val	Asp	Thr	Asp	Ile	Ala	Lys	His	Cys
				125					130					135

Ala	Tyr	Ser	Leu	Pro	Gly	Val	Ala	Leu	Thr	Leu	Gly	Arg	Gln	Asn	
				140					145					150	
Trp	His	Cys	Leu	Lys	Asp	Thr	Tyr	Glu	Thr	Leu	Ala	Ser	Asp	Val	
				155					160					165	
Gln	Trp	Lys	Val	Arg	Arg	Ala	Leu	Ala	Phe	Ser	Ile	His	Glu	Leu	
				170					175					180	
Ala	Val	Ile	Leu	Gly	Asp	Gln	Leu	Thr	Ala	Ala	Asp	Leu	Val	Pro	
				185					190					195	
Ile	Phe	Asn	Gly	Phe	Leu	Lys	Asp	Leu	Asp	Glu	Val	Arg	Ile	Gly	
				200					205					210	
Val	Leu	Arg	His	Leu	Tyr	Asp	Phe	Leu	Lys	Thr	Ala	Asp	Thr	Asp	
				215					220					225	
Ser	Gly	Thr	Leu												

<210> 2

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Met	Gln	Lys	Tyr	Glu	Lys	Leu	Glu	Lys	Ile	Gly	Glu	Gly	Gly	Ile	
1				5					10					15	
Ser	Trp	Leu	Arg	Glu	Glu	Cys	Arg	Ile	Leu	Thr	Leu	Thr	Pro	Asp	
				20					25					30	
Leu	Leu	Pro	Leu	Gly	Thr	Tyr	Gly	Thr	Val	Phe	Lys	Ala	Lys	Asn	
				35					40					45	
Arg	Glu	Thr	His	Glu	Ile	Val	Ala	Leu	Lys	Arg	Val	Arg	Leu	Asp	
				50					55					60	
Asp	Asp	Asp	Glu	Gly	Val	Pro	Ser	Ser	Ala	Leu	Arg	Glu	Ile	Cys	
				65					70					75	
Leu	Leu	Lys	Glu	Leu	Lys	His	Lys	Asn	Ile	Val	Arg	Leu	His	Asp	
				80					85					90	
Val	Leu	His	Ser	Asp	Lys	Lys	Leu	Thr	Leu	Val	Phe	Glu	Phe	Cys	
				95					100					105	
Asp	Gln	Asp	Leu	Lys	Lys	Tyr	Phe	Asp	Ser	Cys	Asn	Gly	Asp	Leu	
				110					115					120	
Asp	Pro	Glu	Ile	Val	Lys	Ser	Phe	Leu	Phe	Gln	Leu	Leu	Lys	Gly	
				125					130					135	
Leu	Gly	Phe	Cys	His	Ser	Arg	Asn	Val	Leu	His	Arg	Asp	Leu	Lys	
				140					145					150	
Pro	Gln	Asn	Leu	Leu	Ile	Asn	Arg	Asn	Gly	Glu	Leu	Lys	Leu	Ala	
				155					160					165	
Asp	Phe	Gly	Leu	Ala	Arg	Ala	Phe	Gly	Ile	Pro	Val	Arg	Cys	Tyr	
				170					175					180	
Ser	Ala	Glu	Val	Val	Thr	Leu	Trp	Tyr	Arg	Pro	Pro	Asp	Val	Leu	
				185					190					195	
Phe	Gly	Ala	Lys	Leu	Tyr	Ser	Thr	Ser	Ile	Asp	Met	Trp	Ser	Ala	
				200					205					210	
Gly	Cys	Ile	Phe	Ala	Glu	Leu	Ala	Asn	Ala	Gly	Arg	Pro	Leu	Phe	
				215					220					225	
Pro	Gly	Asn	Asp	Val	Asp	Asp	Gln	Leu	Lys	Arg	Ile	Phe	Arg	Leu	
				230					235					240	
Leu	Gly	Thr	Pro	Thr	Glu	Glu	Gln	Trp	Pro	Ser	Met	Thr	Lys	Leu	
				245					250					255	
Pro	Asp	Tyr	Lys	Pro	Tyr	Pro	Met	Tyr	Pro	Ala	Thr	Thr	Ser	Leu	
				260					265					270	
Val	Asn	Val	Val	Pro	Lys	Leu	Asn	Ala	Thr	Gly	Arg	Asp	Leu	Leu	
				275					280					285	

Gln	Asn	Leu	Leu	Lys	Cys	Asn	Pro	Val	Gln	Arg	Ile	Ser	Ala	Glu
				290					295					300
Glu	Ala	Leu	Gln	His	Pro	Tyr	Phe	Ser	Asp	Phe	Cys	Pro	Pro	
				305					310					

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Met	Val	Val	Glu	Val	Gly	Thr	Leu	Asp	Ala	Gly	Gly	Leu	Arg	Ala
1				5					10					15
Leu	Leu	Gly	Glu	Arg	Ala	Ala	Gln	Cys	Leu	Leu	Leu	Asp	Cys	Arg
				20					25					30
Ser	Phe	Phe	Ala	Phe	Asn	Ala	Gly	His	Ile	Ala	Gly	Ser	Val	Asn
				35					40					45
Val	Arg	Phe	Ser	Thr	Ile	Val	Arg	Arg	Arg	Ala	Lys	Gly	Ala	Met
				50					55					60
Gly	Leu	Glu	His	Ile	Val	Pro	Asn	Ala	Glu	Leu	Arg	Gly	Arg	Leu
				65					70					75
Leu	Ala	Gly	Ala	Tyr	His	Ala	Val	Val	Leu	Phe	Val	His	Cys	Gln
				80					85					90
Ala	Gly	Ile	Ser	Arg	Ser	Ala	Thr	Ile	Cys	Leu	Ala	Tyr	Leu	Met
				95					100					105
Arg	Thr	Asn	Arg	Val	Lys	Leu	Asp	Glu	Ala	Phe	Glu	Phe	Val	Lys
				110					115					120
Gln	Arg	Arg	Ser	Ile	Ile	Ser	Pro	Asn	Phe	Ser	Phe	Met	Gly	Gln
				125					130					135
Leu	Leu	Gln	Phe	Glu	Ser	Gln	Val	Leu	Ala	Pro	His	Cys	Ser	Ala
				140					145					150
Glu	Ala	Gly	Ser	Pro	Ala	Met	Ala	Val	Leu	Asp	Arg	Gly	Thr	Ser
				155					160					165
Thr	Thr	Thr	Val	Phe	Asn	Phe	Pro	Val	Ser	Ile	Pro	Val	His	Ser
				170					175					180
Thr	Asn	Ser	Ala	Leu	Ser	Tyr	Leu	Gln	Ser	Pro	Ile	Thr	Thr	Ser
				185					190					195
Pro	Ser	Cys												

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Met	Asp	Leu	Phe	Gly	Asp	Leu	Pro	Glu	Pro	Glu	Arg	Ser	Pro	Arg
1				5					10					15
Pro	Ala	Ala	Gly	Lys	Glu	Ala	Gln	Lys	Gly	Pro	Leu	Leu	Phe	Asp
				20					25					30
Asp	Leu	Pro	Pro	Ala	Ser	Ser	Thr	Asp	Ser	Gly	Ser	Gly	Gly	Pro
				35					40					45
Leu	Leu	Phe	Asp	Asp	Leu	Pro	Pro	Ala	Ser	Ser	Gly	Asp	Ser	Gly
				50					55					60
Ser	Leu	Ala	Thr	Ser	Ile	Ser	Gln	Met	Val	Lys	Thr	Glu	Gly	Lys

	65		70		75
Gly Ala Lys Arg	Lys Thr Ser Glu Glu	Glu Lys Asn Gly Ser	Glu		
	80		85		90
Glu Leu Val Glu	Lys Lys Val Cys Lys	Gly Asp Val Ile Ser	Val		
	95		100		105
Glu Lys Thr Val	Lys Arg Cys Leu Leu	Asp Thr Phe Lys His	Thr		
	110		115		120
Asp Glu Glu Phe	Leu Lys Gln Ala Ser	Ser Gln Lys Pro Ala	Trp		
	125		130		135
Lys Asp Gly Ser	Thr Ala Thr Cys Val	Leu Ala Val Asp Asn	Ile		
	140		145		150
Leu Tyr Ile Ala	Asn Leu Gly Asp Ser	Arg Ala Ile Leu Cys	Arg		
	155		160		165
Tyr Asn Glu Glu	Ser Gln Lys His Ala	Ala Leu Ser Leu Ser	Lys		
	170		175		180
Glu His Asn Pro	Thr Gln Tyr Glu Glu	Arg Met Arg Ile Gln	Lys		
	185		190		195
Ala Gly Gly Asn	Val Arg Asp Gly Arg	Val Leu Gly Val Leu	Glu		
	200		205		210
Val Ser Arg Ser	Ile Gly Asp Gly Gln	Tyr Lys Arg Cys Gly	Val		
	215		220		225
Thr Ser Val Pro	Asp Ile Arg Arg Cys	Gln Leu Thr Pro Asn	Asp		
	230		235		240
Arg Phe Ile Leu	Leu Ala Cys Asp Gly	Leu Phe Lys Val Phe	Thr		
	245		250		255
Pro Glu Glu Ala	Val Asn Phe Ile Leu	Ser Cys Leu Glu Asp	Glu		
	260		265		270
Lys Ile Gln Thr	Arg Glu Gly Lys Ser	Ala Ala Asp Ala Arg	Tyr		
	275		280		285
Glu Ala Ala Cys	Asn Arg Leu Ala Asn	Lys Ala Val Gln Arg	Gly		
	290		295		300
Ser Ala Asp Asn	Val Thr Val Met Val	Val Arg Ile Gly His			
	305		310		

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<223> Incyte ID No: 7523011CD1

<400> 5

Met Thr Leu Asp	Val Gly Pro Glu Asp	Glu Leu Pro Asp	Trp Ala	
1	5	10	15	
Ala Ala Lys Glu	Phe Tyr Gln Lys Tyr	Asp Pro Lys Asp	Val Ile	
	20	25	30	
Gly Arg Gly Val	Ser Ser Val Val Arg	Arg Cys Val His	Arg Ala	
	35	40	45	
Thr Gly His Glu	Phe Ala Val Lys Ile	Met Glu Val Thr	Ala Glu	
	50	55	60	
Arg Leu Ser Pro	Glu Gln Leu Glu Glu	Val Arg Glu Ala	Thr Arg	
	65	70	75	
Arg Glu Thr His	Ile Leu Arg Gln Ser	Pro Ser Ser Ile	Pro Thr	
	80	85	90	
Ser Leu Leu Ala	Ser Cys Ser Trp Cys	Leu Thr		
	95	100		

<210> 6

<211> 168

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<213> Homo sapiens

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 Met Ile Thr Gly Val Phe Ser Met Arg Leu Trp Thr Pro Val Gly
 1 5 10 15
 Val Leu Thr Ser Leu Ala Tyr Cys Leu His Gln Arg Arg Val Ala
 20 25 30
 Leu Ala Glu Leu Gln Glu Ala Asp Gly Gln Cys Pro Val Asp Arg
 35 40 45
 Ser Leu Leu Lys Leu Lys Met Val Gln Val Val Phe Arg His Gly
 50 55 60
 Ala Arg Ser Pro Leu Lys Pro Leu Pro Leu Glu Glu Gln Gly Gly
 65 70 75
 Met Phe Ala Gly Gln Leu Thr Lys Val Gly Met Gln Gln Met Phe
 80 85 90
 Ala Leu Gly Glu Arg Leu Arg Lys Asn Tyr Val Glu Asp Ile Pro
 95 100 105
 Phe Leu Ser Pro Thr Phe Asn Pro Gln Glu Val Phe Ile Arg Ser
 110 115 120
 Thr Asn Ile Phe Arg Asn Leu Glu Ser Thr Arg Cys Leu Leu Ala
 125 130 135
 Gly Leu Phe Gln Cys Gln Lys Glu Asp Lys Arg Thr Lys Thr Gln
 140 145 150
 Arg Gly Ser Val Thr Cys Pro Gly Thr Gln Asn Trp Thr His His
 155 160 165
 His Pro His

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<220>
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 Met Lys Asn Tyr Lys Ala Ile Gly Lys Ile Gly Glu Gly Thr Phe
 1 5 10 15
 Ser Glu Val Met Lys Met Gln Ser Leu Arg Asp Gly Asn Tyr Tyr
 20 25 30
 Ala Cys Lys Gln Met Lys Gln Arg Phe Glu Arg Leu Gly Asn
 35 40

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<220>
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 Met Ser Ser Arg Lys Leu Ser Gly Pro Lys Gly Arg Arg Leu Ser
 1 5 10 15
 Ile His Val Val Thr Trp Asn Val Ala Ser Ala Ala Pro Pro Leu
 20 25 30
 Asp Leu Ser Asp Leu Leu Gln Leu Asn Asn Arg Asn Leu Asn Leu
 35 40 45

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Asp Ile Tyr Val Ile Gly Glu Lys Lys Arg Lys Pro Ala Trp Thr
      50      55      60
Asp Arg Ile Leu Trp Arg Leu Lys Arg Gln Pro Cys Ala Gly Pro
      65      70      75
Asp Thr Pro Ile Pro Pro Ala Ser His Phe Ser Leu Ser Leu Arg
      80      85      90
Gly Tyr Ser Ser His Met Thr Tyr Gly Ile Ser Asp His Lys Pro
      95     100     105
Val Ser Gly Thr Phe Asp Leu Glu Leu Lys Pro Leu Val Ser Ala
     110     115     120
Pro Leu Ile Val Leu Met Pro Glu Asp Leu Trp Thr Val Glu Asn
     125     130     135
Asp Met Met Val Ser Tyr Ser Ser Thr Ser Asp Phe Pro Ser Ser
     140     145     150
Pro Trp Asp Trp Ile Gly Leu Tyr Lys Val Gly Leu Arg Asp Val
     155     160     165
Asn Asp Tyr Val Ser Tyr Ala Trp Val Gly Asp Ser Lys Val Ser
     170     175     180
Cys Ser Asp Asn Leu Asn Gln Val Tyr Ile Asp Ile Ser Asn Ile
     185     190     195
Pro Thr Thr Glu Asp Glu Phe Leu Leu Cys Tyr Tyr Ser Asn Ser
     200     205     210
Leu Arg Ser Val Val Gly Ile Ser Arg Pro Phe Gln Ile Pro Pro
     215     220     225
Gly Ser Leu Arg Glu Asp Pro Leu Gly Glu Ala Gln Pro Gln Ile
     230     235     240

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<220>
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<400> 9
Met Ser Ile Glu Ile Pro Ala Gly Leu Thr Glu Leu Leu Gln Gly
  1      5      10      15
Phe Thr Val Glu Val Leu Arg His Gln Pro Ala Asp Leu Leu Glu
      20      25      30
Phe Ala Leu Gln His Phe Thr Arg Leu Gln Gln Glu Asn Glu Arg
      35      40      45
Lys Gly Thr Ala Arg Phe Gly His Glu Gly Arg Thr Trp Gly Asp
      50      55      60
Leu Gly Ala Ala Ala Gly Gly Gly Thr Pro Ser Lys Gly Val Asn
      65      70      75
Phe Ala Glu Glu Pro Met Gln Ser Asp Ser Glu Asp Gly Glu Glu
      80      85      90
Glu Glu Ala Ala Pro Ala Asp Ala Gly Ala Phe Asn Ala Pro Val
      95     100     105
Ile Asn Arg Phe Thr Arg Arg Ala Ser Val Cys Ala Glu Ala Tyr
     110     115     120
Asn Pro Asp Glu Glu Glu Asp Asp Ala Glu Ser Arg Ile Ile His
     125     130     135
Pro Lys Thr Asp Asp Gln Arg Asn Arg Leu Gln Glu Ala Cys Lys
     140     145     150
Asp Ile Leu Leu Phe Lys Asn Leu Asp Pro Ile Trp Ile Leu Met
     155     160     165
Val Trp Ser Gly Ala
     170

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 <213> Homo sapiens

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 Met Ala Glu Pro Asp Leu Glu Cys Glu Gln Ile Arg Leu Lys Cys
 1 5 10 15
 Ile His Arg Ala Arg Asp Thr Gln Thr Asp Glu Ile Val Ala Leu
 20 25 30
 Lys Lys Val Arg Met Asp Lys Glu Lys Asp Gly Ile Pro Ile Ser
 35 40 45
 Ser Leu Arg Glu Ile Thr Leu Leu Leu Arg Leu Arg His Pro Asn
 50 55 60
 Ile Val Glu Leu Lys Glu Val Val Val Arg Asn His Leu Glu Ser
 65 70 75
 Ile Phe Leu Val Met Gly Tyr Cys Glu Gln Asp Leu Ala Ser Leu
 80 85 90
 Leu Glu Asn Met Pro Thr Pro Phe Ser Glu Ala Gln Val Lys Cys
 95 100 105
 Ile Val Leu Gln Val Leu Arg Gly Leu Gln Tyr Leu His Arg Asn
 110 115 120
 Phe Ile Ile His Arg Asp Leu Lys Val Ser Asn Leu Leu Met Thr
 125 130 135
 Asp Lys Gly Cys Val Lys Thr Ala Asp Phe Gly Leu Ala Arg Ala
 140 145 150
 Tyr Gly Val Pro Val Lys Pro Met Thr Pro Lys Val Val Thr Leu
 155 160 165
 Trp Tyr Arg Ala Pro Glu Leu Leu Leu Gly Thr Thr Thr Gln Thr
 170 175 180
 Thr Ser Ile Asp Met Trp Ala Val Gly Cys Ile Leu Ala Glu Leu
 185 190 195
 Leu Ala His Arg Pro Leu Leu Pro Gly Thr Ser Glu Ile His Gln
 200 205 210
 Ile Asp Leu Ile Val Gln Leu Leu Gly Thr Pro Ser Glu Asn Ile
 215 220 225
 Trp Pro Gly Phe Ser Lys Leu Pro Leu Val Gly Gln Tyr Ser Leu
 230 235 240
 Arg Lys Gln Pro Tyr Asn Asn Leu Lys His Lys Phe Pro Trp Leu
 245 250 255
 Ser Glu Ala Gly Leu Arg Leu Leu His Phe Leu Phe Met Tyr Asp
 260 265 270
 Pro Lys Lys Arg Ala Thr Ala Gly Asp Cys Leu Glu Ser Ser Tyr
 275 280 285
 Phe Lys Glu Lys Pro Leu Pro Cys Glu Pro Glu Leu Met Pro Thr
 290 295 300
 Phe Pro His His Arg Asn Lys Arg Ala Ala Pro Ala Thr Ser Glu
 305 310 315
 Gly Gln Ser Lys Arg Cys Lys Pro
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 <213> Homo sapiens

<220>
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<400> 11
 Met Ser Arg Ser Leu Asp Ser Ala Arg Ser Phe Leu Glu Arg Leu
 1 5 10 15
 Glu Ala Arg Gly Gly Arg Glu Gly Ala Val Leu Ala Gly Glu Phe
 20 25 30
 Ser Asp Ile Gln Ala Cys Ser Ala Ala Trp Lys Ala Asp Gly Val
 35 40 45
 Cys Ser Thr Val Ala Gly Ser Arg Pro Glu Asn Val Arg Lys Asn
 50 55 60
 Arg Tyr Lys Asp Val Leu Pro Cys Lys Ser Gly Leu Pro
 65 70

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 <213> Homo sapiens

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 Met Glu Ala Pro Gly Pro Ala Gln Ala Ala Ala Glu Ser Asn
 1 5 10 15
 Ser Arg Glu Val Thr Glu Asp Ala Ala Asp Trp Ala Pro Ala Leu
 20 25 30
 Cys Pro Ser Pro Glu Ala Arg Ser Pro Glu Ala Pro Ala Tyr Arg
 35 40 45
 Leu Gln Asp Cys Asp Ala Leu Val Thr Met Gly Thr Gly Thr Phe
 50 55 60
 Gly Arg Val His Leu Val Lys Glu Lys Thr Ala Lys His Phe Phe
 65 70 75
 Ala Leu Lys Val Met Ser Ile Pro Asp Val Ile Arg Arg Lys Gln
 80 85 90
 Glu Gln His Val His Asn Glu Lys Ser Val Leu Lys Glu Val Ser
 95 100 105
 His Pro Phe Leu Ile Arg Leu Phe Trp Thr Trp His Glu Glu Arg
 110 115 120
 Phe Leu Tyr Met Leu Met Glu Tyr Val Pro Gly Gly Glu Leu Phe
 125 130 135
 Ser Tyr Leu Arg Asn Arg Gly His Phe Ser Ser Thr Thr Gly Leu
 140 145 150
 Phe Tyr Ser Ala Glu Ile Ile Cys Ala Ile Glu Tyr Leu His Ser
 155 160 165
 Lys Glu Ile Val Tyr Arg Asp Leu Lys Pro Glu Asn Ile Leu Leu
 170 175 180
 Asp Arg Asp Gly His Ile Lys Leu Thr Asp Phe Gly Phe Ala Lys
 185 190 195
 Lys Leu Val Asp Arg Phe Pro Pro Phe Phe Asp Asp Asn Pro Phe
 200 205 210
 Gly Ile Tyr Gln Lys Ile Leu Ala Gly Lys Leu Tyr Phe Pro Arg
 215 220 225
 His Leu Asp Phe His Val Lys Thr Gly Arg Met Met
 230 235

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<400> 13

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Met Ala Glu Gln Ala Thr Lys Ser Val Leu Phe Val Cys Leu Gly
 1          5          10          15
Asn Ile Cys Arg Ser Pro Ile Ala Glu Ala Val Phe Arg Lys Leu
          20          25          30
Val Thr Asp Gln Asn Ile Ser Glu Asn Trp Arg Val Asp Ser Ala
          35          40          45
Ala Thr Ser Gly Tyr Glu Ile Gly Asn Pro Pro Asp Tyr Arg Gly
          50          55          60
Gln Ser Cys Met Lys Arg His Gly Ile Pro Met Ser His Val Ala
          65          70          75
Arg Gln Arg Phe Glu
          80

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<210> 14

<211> 424

<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 7522018CD1

<400> 14

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Met Glu Leu Glu Asn Ile Val Ala Asn Ser Leu Leu Leu Lys Ala
 1          5          10          15
Arg Gln Glu Lys Asp Tyr Ser Ser Leu Cys Asp Lys Gln Pro Ile
          20          25          30
Gly Arg Arg Leu Phe Arg Gln Phe Cys Asp Thr Lys Pro Thr Leu
          35          40          45
Lys Arg His Ile Glu Phe Leu Asp Ala Val Ala Glu Tyr Glu Val
          50          55          60
Ala Asp Asp Glu Asp Arg Ser Asp Cys Gly Leu Ser Ile Leu Asp
          65          70          75
Arg Phe Phe Asn Asp Lys Leu Ala Ala Pro Leu Pro Glu Ile Pro
          80          85          90
Pro Asp Val Val Thr Glu Cys Arg Leu Gly Leu Lys Glu Glu Asn
          95          100          105
Pro Ser Lys Lys Ala Phe Glu Glu Cys Thr Arg Val Ala His Asn
          110          115          120
Tyr Leu Arg Gly Glu Pro Phe Glu Glu Tyr Gln Glu Ser Pro Tyr
          125          130          135
Phe Ser Gln Phe Leu Gln Trp Lys Trp Leu Glu Arg Gln Pro Val
          140          145          150
Thr Lys Asn Thr Phe Arg His Tyr Arg Val Leu Gly Lys Gly Gly
          155          160          165
Phe Gly Glu Val Cys Ala Cys Gln Val Arg Ala Thr Gly Lys Met
          170          175          180
Tyr Ala Cys Lys Lys Leu Gln Lys Lys Arg Ile Lys Lys Arg Thr
          185          190          195
Gly Glu Ala Met Ala Leu Asn Glu Lys Arg Ile Leu Glu Lys Val
          200          205          210
Gln Ser Arg Phe Val Val Ser Leu Ala Tyr Ala Tyr Glu Thr Lys
          215          220          225
Asp Ala Leu Cys Leu Val Leu Thr Ile Met Asn Gly Gly Asp Leu
          230          235          240
Lys Phe His Ile Tyr Asn Leu Gly Asn Pro Gly Phe Asp Glu Gln
          245          250          255
Arg Ala Val Phe Tyr Ala Ala Glu Leu Cys Cys Gly Leu Glu Asp
          260          265          270
Leu Gln Arg Glu Arg Ile Val Tyr Arg Asp Leu Lys Pro Glu Asn
          275          280          285
Ile Leu Leu Asp Asp Arg Ala Pro Glu Val Val Asn Asn Glu Lys

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	290		295	300
Tyr Thr Phe Ser	Pro Asp Trp Trp Gly	Leu Gly Cys Leu Ile Tyr		
	305	310		315
Glu Met Ile Gln	Gly His Ser Pro Phe	Lys Lys Tyr Lys Glu Lys		
	320	325		330
Val Lys Trp Glu	Glu Val Asp Gln Arg	Ile Lys Asn Asp Thr Glu		
	335	340		345
Glu Tyr Ser Glu	Lys Phe Ser Glu Asp	Ala Lys Ser Ile Cys Arg		
	350	355		360
Met Met Ile Glu	Ser Gly Cys Phe Lys	Asp Ile Asn Lys Ser Glu		
	365	370		375
Ser Glu Glu Ala	Leu Pro Leu Asp Leu	Asp Lys Asn Ile His Thr		
	380	385		390
Pro Val Ser Arg	Pro Asn Arg Gly Phe	Phe Tyr Arg Leu Phe Arg		
	395	400		405
Arg Gly Gly Cys	Leu Thr Met Val Pro	Ser Glu Lys Glu Val Glu		
	410	415		420
Pro Lys Gln Cys				

<210> 15

<211> 2091

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523799CD1

<400> 15

Met Glu Pro Gly Arg	Gly Ala Gly Pro	Ala Gly Met Ala Glu Pro	
1	5	10	15
Arg Ala Lys Ala Ala	Arg Pro Gly Pro	Gln Arg Phe Leu Arg Arg	
	20	25	30
Ser Val Val Glu Ser	Asp Gln Glu Glu	Pro Pro Gly Leu Glu Ala	
	35	40	45
Ala Glu Ala Pro Gly	Pro Gln Pro Pro	Gln Pro Leu Gln Arg Arg	
	50	55	60
Val Leu Leu Leu Cys	Lys Thr Arg Arg	Leu Ile Ala Glu Arg Ala	
	65	70	75
Arg Gly Arg Pro Ala	Ala Pro Ala Pro	Ala Ala Leu Val Ala Gln	
	80	85	90
Pro Gly Ala Pro Gly	Ala Pro Ala Asp	Ala Gly Pro Glu Pro Val	
	95	100	105
Gly Thr Gln Glu Pro	Gly Pro Asp Pro	Ile Ala Ala Ala Val Glu	
	110	115	120
Thr Ala Pro Ala Pro	Asp Gly Gly Pro	Arg Glu Glu Ala Ala Ala	
	125	130	135
Thr Val Arg Lys Glu	Asp Glu Gly Ala	Ala Glu Ala Lys Pro Glu	
	140	145	150
Pro Gly Arg Thr Arg	Arg Asp Glu Pro	Glu Glu Glu Glu Asp Asp	
	155	160	165
Glu Asp Asp Leu Lys	Ala Val Ala Thr	Ser Leu Asp Gly Arg Phe	
	170	175	180
Leu Lys Phe Asp Ile	Glu Leu Gly Arg	Gly Ser Phe Lys Thr Val	
	185	190	195
Tyr Lys Gly Leu Asp	Thr Glu Thr Trp	Val Glu Val Ala Trp Cys	
	200	205	210
Glu Leu Gln Asp Arg	Lys Leu Thr Lys	Leu Glu Arg Gln Arg Phe	
	215	220	225
Lys Glu Glu Ala Glu	Met Leu Lys Gly	Leu Gln His Pro Asn Ile	
	230	235	240
Val Arg Phe Tyr Asp	Phe Trp Glu Ser	Ser Ala Lys Gly Lys Arg	

	245		250		255
Cys Ile Val Leu	Val Thr Glu Leu Met	Thr Ser Gly Thr Leu	Lys		
	260		265		270
Thr Tyr Leu Lys	Arg Phe Lys Val Met	Lys Pro Lys Val Leu	Arg		
	275		280		285
Ser Trp Cys Arg	Gln Ile Leu Lys Gly	Leu Leu Phe Leu His	Thr		
	290		295		300
Arg Thr Pro Pro	Ile Ile His Arg Asp	Leu Lys Cys Asp Asn	Ile		
	305		310		315
Phe Ile Thr Gly	Pro Thr Gly Ser Val	Lys Ile Gly Asp Leu	Gly		
	320		325		330
Leu Ala Thr Leu	Lys Arg Ala Ser Phe	Ala Lys Ser Val Ile	Gly		
	335		340		345
Thr Pro Glu Phe	Met Ala Pro Glu Met	Tyr Glu Glu His Tyr	Asp		
	350		355		360
Glu Ser Val Asp	Val Tyr Ala Phe Gly	Met Cys Met Leu Glu	Met		
	365		370		375
Ala Thr Ser Glu	Tyr Pro Tyr Ser Glu	Cys Gln Asn Ala Ala	Gln		
	380		385		390
Ile Tyr Arg Lys	Val Thr Cys Gly Ile	Lys Pro Ala Ser Phe	Glu		
	395		400		405
Lys Val His Asp	Pro Glu Ile Lys Glu	Ile Ile Gly Gly Cys	Ile		
	410		415		420
Cys Lys Asn Lys	Glu Glu Arg Tyr Glu	Ile Lys Asp Leu Leu	Ser		
	425		430		435
His Ala Phe Phe	Ala Glu Asp Thr Gly	Val Arg Val Glu Leu	Ala		
	440		445		450
Glu Glu Asp His	Gly Arg Lys Ser Thr	Ile Ala Leu Arg Leu	Trp		
	455		460		465
Val Glu Asp Pro	Lys Lys Leu Lys Gly	Lys Pro Lys Asp Asn	Gly		
	470		475		480
Ala Ile Glu Phe	Thr Phe Asp Leu Glu	Lys Glu Thr Pro Asp	Glu		
	485		490		495
Val Ala Gln Glu	Met Ile Glu Ser Gly	Phe Phe His Glu Ser	Asp		
	500		505		510
Val Lys Ile Val	Ala Lys Ser Ile Arg	Asp Arg Val Ala Leu	Ile		
	515		520		525
Gln Trp Arg Arg	Glu Arg Ile Trp Pro	Ala Leu Gln Pro Lys	Glu		
	530		535		540
Gln Gln Asp Val	Gly Ser Pro Asp Lys	Ala Arg Gly Pro Pro	Val		
	545		550		555
Pro Leu Gln Val	Gln Val Thr Tyr His	Ala Gln Ala Gly Gln	Pro		
	560		565		570
Gly Pro Pro Glu	Pro Glu Glu Pro Glu	Ala Asp Gln His Leu	Leu		
	575		580		585
Pro Pro Thr Leu	Pro Thr Ser Ala Thr	Ser Leu Ala Ser Asp	Ser		
	590		595		600
Thr Phe Asp Ser	Gly Gln Gly Ser Thr	Val Tyr Ser Asp Ser	Gln		
	605		610		615
Ser Ser Gln Gln	Ser Val Met Leu Gly	Ser Leu Ala Asp Ala	Ala		
	620		625		630
Pro Ser Pro Ala	Gln Cys Val Cys Ser	Pro Pro Val Ser Glu	Gly		
	635		640		645
Pro Val Leu Pro	Gln Ser Leu Pro Ser	Leu Gly Ala Tyr Gln	Gln		
	650		655		660
Pro Thr Ala Ala	Pro Gly Leu Pro Val	Gly Ser Val Pro Ala	Pro		
	665		670		675
Ala Cys Pro Pro	Ser Leu Gln Gln His	Phe Pro Asp Pro Ala	Met		
	680		685		690
Ser Phe Ala Pro	Val Leu Pro Pro Pro	Ser Thr Pro Met Pro	Thr		
	695		700		705
Gly Pro Gly Gln	Pro Ala Pro Pro Gly	Gln Gln Pro Pro Pro	Leu		
	710		715		720

Ala Gln Pro Thr	Pro Leu Pro Gln Val	Leu Ala Pro Gln Pro Val	725	730	735
Val Pro Leu Gln	Pro Val Pro Pro His	Leu Pro Pro Tyr Leu Ala	740	745	750
Pro Ala Ser Gln	Val Gly Ala Pro Ala	Gln Leu Lys Pro Leu Gln	755	760	765
Met Pro Gln Ala	Pro Leu Gln Pro Leu	Ala Gln Val Pro Pro Gln	770	775	780
Met Pro Pro Ile	Pro Val Val Pro Pro	Ile Thr Pro Leu Ala Gly	785	790	795
Ile Asp Gly Leu	Pro Pro Ala Leu Pro	Asp Leu Pro Thr Ala Thr	800	805	810
Val Pro Pro Met	Pro Pro Pro Gln Tyr	Phe Ser Pro Ala Val Ile	815	820	825
Leu Pro Ser Leu	Ala Ala Pro Leu Pro	Pro Ala Ser Pro Ala Leu	830	835	840
Pro Leu Gln Ala	Val Lys Leu Pro His	Pro Pro Gly Ala Pro Leu	845	850	855
Ala Met Pro Cys	Arg Thr Ile Val Pro	Asn Ala Pro Ala Thr Ile	860	865	870
Pro Leu Leu Ala	Val Ala Pro Pro Gly	Val Ala Ala Leu Ser Ile	875	880	885
His Ser Ala Val	Ala Gln Leu Pro Gly	Gln Pro Val Tyr Pro Ala	890	895	900
Ala Phe Pro Gln	Met Ala Pro Thr Asp	Val Pro Pro Ser Pro His	905	910	915
His Thr Val Gln	Asn Met Arg Ala Thr	Pro Pro Gln Pro Ala Leu	920	925	930
Pro Pro Gln Pro	Thr Leu Pro Pro Gln	Pro Val Leu Pro Pro Gln	935	940	945
Pro Thr Leu Pro	Pro Gln Pro Val Leu	Pro Pro Gln Pro Thr Arg	950	955	960
Pro Pro Gln Pro	Val Leu Pro Pro Gln	Pro Met Leu Pro Pro Gln	965	970	975
Pro Val Leu Pro	Pro Gln Pro Ala Leu	Pro Val Arg Pro Glu Pro	980	985	990
Leu Gln Pro His	Leu Pro Glu Gln Ala	Ala Pro Ala Ala Thr Pro	995	1000	1005
Gly Ser Gln Ile	Leu Leu Gly His Pro	Ala Pro Tyr Ala Val Asp	1010	1015	1020
Val Ala Ala Gln	Val Pro Thr Val Pro	Val Pro Pro Ala Ala Val	1025	1030	1035
Leu Ser Pro Pro	Leu Pro Glu Val Leu	Pro Ala Ala Pro Glu	1040	1045	1050
Leu Leu Pro Gln	Phe Pro Ser Ser Leu	Ala Thr Val Ser Ala Ser	1055	1060	1065
Val Gln Ser Val	Pro Thr Gln Thr Ala	Thr Leu Leu Pro Pro Ala	1070	1075	1080
Asn Pro Pro Leu	Pro Gly Gly Pro Gly	Ile Ala Ser Pro Cys Pro	1085	1090	1095
Thr Val Gln Leu	Thr Val Glu Pro Val	Gln Glu Glu Ala Ser	1100	1105	1110
Gln Asp Lys Pro	Pro Gly Leu Pro Gln	Ser Cys Glu Ser Tyr Gly	1115	1120	1125
Gly Ser Asp Val	Thr Ser Gly Lys Glu	Leu Ser Asp Ser Cys Glu	1130	1135	1140
Gly Ala Phe Gly	Gly Gly Arg Leu Glu	Gly Arg Ala Ala Arg Lys	1145	1150	1155
His His Arg Arg	Ser Thr Arg Ala Arg	Ser Arg Gln Glu Arg Ala	1160	1165	1170
Ser Arg Pro Arg	Leu Thr Ile Leu Asn	Val Cys Asn Thr Gly Asp	1175	1180	1185
Lys Met Val Glu	Cys Gln Leu Glu Thr	His Asn His Lys Met Val			

1190	1195	1200
Thr Phe Lys Phe Asp Leu Asp Gly Asp Ala Pro Asp Glu Ile Ala		
1205	1210	1215
Thr Tyr Met Val Glu His Asp Phe Ile Leu Gln Ala Glu Arg Glu		
1220	1225	1230
Thr Phe Ile Glu Gln Met Lys Asp Val Met Asp Lys Ala Glu Asp		
1235	1240	1245
Met Leu Ser Glu Asp Thr Asp Ala Asp Arg Gly Ser Asp Pro Gly		
1250	1255	1260
Thr Ser Pro Pro His Leu Ser Thr Cys Gly Leu Gly Thr Gly Glu		
1265	1270	1275
Glu Ser Arg Gln Ser Gln Ala Asn Ala Pro Val Tyr Gln Gln Asn		
1280	1285	1290
Val Leu His Thr Gly Lys Arg Trp Phe Ile Ile Cys Pro Val Ala		
1295	1300	1305
Glu His Pro Ala Pro Glu Ala Pro Glu Ser Ser Pro Pro Leu Pro		
1310	1315	1320
Leu Ser Ser Leu Pro Pro Glu Ala Ser Gln Asp Ser Ala Pro Tyr		
1325	1330	1335
Lys Asp Gln Leu Ser Ser Lys Glu Gln Pro Ser Phe Leu Ala Ser		
1340	1345	1350
Gln Gln Leu Leu Ser Gln Ala Gly Pro Ser Asn Pro Pro Gly Ala		
1355	1360	1365
Pro Pro Ala Pro Leu Ala Pro Ser Ser Pro Pro Val Thr Ala Leu		
1370	1375	1380
Pro Gln Asp Gly Ala Ala Pro Ala Thr Ser Thr Met Pro Glu Pro		
1385	1390	1395
Ala Ser Gly Thr Ala Ser Gln Ala Gly Gly Pro Gly Thr Pro Gln		
1400	1405	1410
Gly Leu Thr Ser Glu Leu Glu Thr Ser Gln Pro Leu Ala Glu Thr		
1415	1420	1425
His Glu Ala Pro Leu Ala Val Gln Pro Leu Val Val Gly Leu Ala		
1430	1435	1440
Pro Cys Thr Pro Ala Pro Glu Ala Ala Ser Thr Arg Asp Ala Ser		
1445	1450	1455
Ala Pro Arg Glu Pro Leu Pro Pro Pro Ala Pro Glu Pro Ser Pro		
1460	1465	1470
His Ser Gly Thr Pro Gln Pro Ala Leu Gly Gln Pro Ala Pro Leu		
1475	1480	1485
Leu Pro Ala Ala Val Gly Ala Val Ser Leu Ala Thr Ser Gln Leu		
1490	1495	1500
Pro Ser Pro Pro Leu Gly Pro Thr Val Pro Pro Gln Pro Pro Ser		
1505	1510	1515
Ala Leu Glu Ser Asp Gly Glu Gly Pro Pro Pro Arg Val Gly Phe		
1520	1525	1530
Val Asp Ser Thr Ile Lys Ser Leu Asp Glu Lys Leu Arg Thr Leu		
1535	1540	1545
Leu Tyr Gln Glu His Val Pro Thr Ser Ser Ala Ser Ala Gly Thr		
1550	1555	1560
Pro Val Glu Val Gly Asp Arg Asp Phe Thr Leu Glu Pro Leu Arg		
1565	1570	1575
Gly Asp Gln Pro Arg Ser Glu Val Cys Gly Gly Asp Leu Ala Leu		
1580	1585	1590
Pro Pro Val Pro Lys Glu Ala Val Ser Gly Arg Val Gln Leu Pro		
1595	1600	1605
Gln Pro Leu Val Glu Lys Ser Glu Leu Ala Pro Thr Arg Gly Ala		
1610	1615	1620
Val Met Glu Gln Gly Thr Ser Ser Ser Met Thr Ala Glu Ser Ser		
1625	1630	1635
Pro Arg Ser Met Leu Gly Tyr Asp Arg Asp Gly Arg Gln Val Ala		
1640	1645	1650
Ser Asp Ser His Val Val Pro Ser Val Pro Gln Asp Val Pro Ala		
1655	1660	1665

Phe Val Arg Pro Ala Arg Val Glu Pro Thr Asp Arg Asp Gly Gly
 1670 1675 1680
 Glu Ala Gly Glu Ser Ser Ala Glu Pro Pro Pro Ser Asp Met Gly
 1685 1690 1695
 Thr Val Gly Gly Gln Ala Ser His Pro Gln Thr Leu Gly Ala Arg
 1700 1705 1710
 Ala Leu Gly Ser Pro Arg Lys Arg Pro Glu Gln Gln Asp Val Ser
 1715 1720 1725
 Ser Pro Ala Lys Thr Val Gly Arg Phe Ser Val Val Ser Thr Gln
 1730 1735 1740
 Asp Glu Trp Thr Leu Ala Ser Pro His Ser Leu Arg Tyr Ser Ala
 1745 1750 1755
 Pro Pro Asp Val Tyr Leu Asp Glu Ala Pro Ser Ser Pro Asp Val
 1760 1765 1770
 Lys Leu Ala Val Arg Arg Ala Gln Thr Ala Ser Ser Ile Glu Val
 1775 1780 1785
 Gly Val Gly Glu Pro Val Ser Ser Asp Ser Gly Asp Glu Gly Pro
 1790 1795 1800
 Arg Ala Arg Pro Pro Val Gln Lys Gln Ala Ser Leu Pro Val Ser
 1805 1810 1815
 Gly Ser Val Ala Gly Asp Phe Val Lys Lys Ala Thr Ala Phe Leu
 1820 1825 1830
 Gln Arg Pro Ser Arg Ala Gly Ser Leu Gly Pro Glu Thr Pro Ser
 1835 1840 1845
 Arg Val Gly Met Lys Val Pro Thr Ile Ser Val Thr Ser Phe His
 1850 1855 1860
 Ser Gln Ser Ser Tyr Ile Ser Ser Asp Asn Asp Ser Glu Leu Glu
 1865 1870 1875
 Asp Ala Asp Ile Lys Lys Glu Leu Gln Ser Leu Arg Glu Lys His
 1880 1885 1890
 Leu Lys Glu Ile Ser Glu Leu Gln Ser Gln Gln Lys Gln Glu Ile
 1895 1900 1905
 Glu Ala Leu Tyr Arg Arg Leu Gly Lys Pro Leu Pro Pro Asn Val
 1910 1915 1920
 Gly Phe Phe His Thr Ala Pro Pro Thr Gly Arg Arg Arg Lys Thr
 1925 1930 1935
 Ser Lys Ser Lys Leu Lys Ala Gly Lys Leu Leu Asn Pro Leu Val
 1940 1945 1950
 Arg Gln Leu Lys Val Val Ala Ser Ser Thr Gly Ser Ser Thr Ser
 1955 1960 1965
 Ser Leu Ala Pro Gly Pro Glu Pro Gly Pro Gln Pro Ala Leu His
 1970 1975 1980
 Val Gln Ala Gln Val Asn Asn Ser Asn Asn Lys Lys Gly Thr Phe
 1985 1990 1995
 Thr Asp Asp Leu His Lys Leu Val Asp Glu Trp Thr Ser Lys Thr
 2000 2005 2010
 Val Gly Ala Ala Gln Leu Lys Pro Thr Leu Asn Gln Leu Lys Gln
 2015 2020 2025
 Thr Gln Lys Leu Gln Asp Met Glu Ala Gln Ala Gly Trp Ala Ala
 2030 2035 2040
 Pro Gly Glu Ala Arg Ala Met Thr Ala Pro Arg Ala Gly Val Gly
 2045 2050 2055
 Met Pro Arg Leu Pro Pro Ala Pro Gly Pro Leu Ser Thr Thr Val
 2060 2065 2070
 Ile Pro Gly Ala Ala Pro Thr Leu Ser Val Pro Thr Pro Asp Pro
 2075 2080 2085
 Glu Ser Glu Lys Pro Asp
 2090

<210> 16

<211> 269

<212> PRT

<213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7521743CD1

<400> 16
 Met Ala Gly Ala Gly Gly Gly Asn Asp Ile Gln Trp Cys Phe Ser
 1 5 10 15
 Gln Val Lys Gly Ala Val Asp Asp Asp Val Ala Glu Ala Asp Ile
 20 25 30
 Ile Ser Thr Val Glu Phe Asn His Ser Gly Glu Leu Leu Ala Thr
 35 40 45
 Gly Asp Lys Gly Gly Arg Val Val Ile Phe Gln Gln Glu Gln Glu
 50 55 60
 Asn Lys Ile Gln Ser His Ser Arg Gly Glu Tyr Asn Val Tyr Ser
 65 70 75
 Thr Phe Gln Ser His Glu Pro Glu Phe Asp Tyr Leu Lys Ser Leu
 80 85 90
 Glu Ile Glu Glu Lys Ile Asn Lys Ile Arg Trp Leu Pro Gln Lys
 95 100 105
 Asn Ala Ala Gln Phe Leu Leu Ser Thr Asn Asp Lys Thr Ile Lys
 110 115 120
 Leu Trp Lys Ile Ser Glu Arg Asp Lys Arg Pro Glu Gly Tyr Asn
 125 130 135
 Leu Lys Glu Glu Asp Gly Arg Tyr Arg Asp Pro Thr Thr Val Thr
 140 145 150
 Thr Leu Arg Val Pro Val Phe Arg Pro Met Asp Leu Met Val Glu
 155 160 165
 Ala Ser Pro Arg Arg Ile Phe Ala Asn Ala His Thr Tyr His Ile
 170 175 180
 Asn Ser Ile Ser Ile Asn Ser Asp Tyr Glu Thr Tyr Leu Ser Ala
 185 190 195
 Asp Asp Leu Arg Ile Asn Leu Trp His Leu Glu Ile Thr Asp Arg
 200 205 210
 Ser Phe Asn Ile Val Asp Ile Lys Pro Ala Asn Met Glu Glu Leu
 215 220 225
 Thr Glu Val Ile Thr Ala Ala Glu Phe His Pro Asn Ser Cys Asn
 230 235 240
 Thr Phe Val Tyr Ser Ser Ser Lys Gly Thr Ile Arg Leu Cys Asp
 245 250 255
 Met Arg Ala Ser Ala Leu Cys Asp Arg His Ser Lys Cys Ala
 260 265

<210> 17
 <211> 140
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522317CD1

<400> 17
 Met Val Gln Ala His Gly Gly Arg Ser Arg Ala Gln Pro Leu Thr
 1 5 10 15
 Leu Ser Leu Gly Ala Ala Met Thr Gln Pro Pro Pro Glu Lys Thr
 20 25 30
 Pro Ala Lys Lys His Val Arg Leu Gln Glu Arg Thr His Leu Leu
 35 40 45
 Cys Glu His Thr Pro Gly Gly His Pro Thr Leu Ser Ala His Cys
 50 55 60
 Trp Thr Pro Pro Tyr Pro Leu Gly Pro Ser Ala Pro Ala Thr Gln
 65 70 75
 Pro Gln Ala Pro Gly Arg Arg Ile Leu Glu Asp Pro Ser Lys Leu

	80		85		90
Cys Gln Pro Arg	Arg Pro Gly His Pro Trp	Pro Arg Leu Gln Gly			
	95	100			105
Pro Ile Gln Asp	His Leu Ala Lys Ser Pro Glu	Pro Cys Leu Ser			
	110	115			120
Arg Pro Gly Thr	Glu Pro Gly Gly Arg Arg	Leu His Gln Cys Gln			
	125	130			135
Leu His Pro Arg	Leu				
	140				

<210> 18

<211> 264

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7522400CD1

<400> 18

Met Glu Asn Phe	Gln Lys Val Glu Lys Ile	Gly Glu Gly Thr Tyr	
1	5	10	15
Gly Val Val Tyr	Lys Ala Arg Asn Lys	Leu Thr Gly Glu Val Val	
	20	25	30
Ala Leu Lys Lys	Ile Arg Leu Asp Thr	Glu Thr Glu Gly Val Pro	
	35	40	45
Ser Thr Ala Ile	Arg Glu Ile Ser Leu	Leu Lys Glu Leu Asn His	
	50	55	60
Pro Asn Ile Val	Lys Leu Leu Asp Val	Ile His Thr Glu Asn Lys	
	65	70	75
Leu Tyr Leu Val	Phe Glu Phe Leu His	Gln Asp Leu Lys Lys Phe	
	80	85	90
Met Asp Ala Ser	Ala Leu Thr Gly Ile	Pro Leu Pro Leu Ile Lys	
	95	100	105
Ser Tyr Leu Phe	Gln Leu Leu Gln Gly	Leu Ala Phe Cys His Ser	
	110	115	120
His Arg Val Leu	His Arg Asp Leu Lys	Pro Gln Asn Leu Leu Ile	
	125	130	135
Asn Thr Glu Gly	Ala Ile Lys Leu Ala	Asp Phe Gly Leu Ala Arg	
	140	145	150
Ala Phe Gly Val	Pro Val Arg Thr Tyr	Thr His Glu Val Thr Arg	
	155	160	165
Arg Ala Leu Phe	Pro Gly Asp Ser Glu	Ile Asp Gln Leu Phe Arg	
	170	175	180
Ile Phe Arg Thr	Leu Gly Thr Pro Asp	Glu Val Val Trp Pro Gly	
	185	190	195
Val Thr Ser Met	Pro Asp Tyr Lys Pro	Ser Phe Pro Lys Trp Ala	
	200	205	210
Arg Gln Asp Phe	Ser Lys Val Val Pro	Pro Leu Asp Glu Asp Gly	
	215	220	225
Arg Ser Leu Leu	Ser Gln Met Leu His	Tyr Asp Pro Asn Lys Arg	
	230	235	240
Ile Ser Ala Lys	Ala Ala Leu Ala His	Pro Phe Phe Gln Asp Val	
	245	250	255
Thr Lys Pro Val	Pro His Leu Arg Leu		
	260		

<210> 19

<211> 459

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523524CD1

<400> 19

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Met Val Gln Lys Lys Pro Ala Glu Leu Gln Gly Phe His Arg Ser
1      5      10      15
Phe Lys Gly Gln Asn Pro Phe Glu Leu Ala Phe Ser Leu Asp Gln
20     25     30
Pro Asp His Gly Asp Ser Asp Phe Gly Leu Gln Cys Ser Ala Arg
35     40     45
Pro Gly Glu Gly Pro Glu Gly Glu Glu Gly Thr Gly Gln Leu Leu
50     55     60
Ser Leu Pro Trp Gln Trp Pro Ala Pro Ala Gly Gly Trp Gly Pro
65     70     75
Ala Gly Gln Gly His Val Leu Ser Pro Leu Gly Val Pro Pro Gly
80     85     90
Thr Asp Met Pro Ala Ser Gln Pro Ile Asp Ile Pro Asp Ala Lys
95     100    105
Lys Arg Gly Lys Lys Lys Lys Arg Gly Arg Ala Thr Asp Ser Phe
110    115    120
Ser Gly Arg Phe Glu Asp Val Tyr Gln Leu Gln Glu Asp Val Leu
125    130    135
Gly Glu Gly Ala His Ala Arg Val Gln Thr Cys Ile Asn Leu Ile
140    145    150
Thr Ser Gln Glu Tyr Ala Val Lys Ile Ile Glu Lys Gln Pro Gly
155    160    165
His Ile Arg Ser Arg Val Phe Arg Glu Val Glu Met Leu Tyr Gln
170    175    180
Cys Gln Gly His Arg Asn Val Leu Glu Leu Ile Glu Phe Phe Glu
185    190    195
Glu Glu Asp Arg Phe Tyr Leu Val Phe Glu Lys Met Arg Gly Gly
200    205    210
Ser Ile Leu Ser His Ile His Lys Arg Arg His Phe Asn Glu Leu
215    220    225
Glu Ala Ser Val Val Val Gln Asp Val Ala Ser Ala Leu Asp Phe
230    235    240
Leu His Asn Lys Gly Ile Ala His Arg Asp Leu Lys Pro Glu Asn
245    250    255
Ile Leu Cys Glu His Pro Asn Gln Val Ser Pro Val Lys Ile Cys
260    265    270
Asp Phe Asp Leu Gly Ser Gly Ile Lys Leu Asn Gly Asp Cys Ser
275    280    285
Pro Ile Ser Thr Pro Glu Leu Leu Thr Pro Cys Gly Ser Ala Glu
290    295    300
Tyr Met Ala Pro Glu Val Val Glu Ala Phe Ser Glu Glu Ala Ser
305    310    315
Ile Tyr Asp Lys Arg Cys Asp Leu Trp Ser Leu Gly Val Ile Leu
320    325    330
Tyr Ile Leu Leu Ser Gly Tyr Pro Pro Phe Val Gly Arg Cys Gly
335    340    345
Ser Asp Cys Gly Trp Asp Arg Gly Glu Ala Cys Pro Ala Cys Gln
350    355    360
Asn Met Leu Phe Glu Ser Ile Gln Glu Gly Lys Tyr Glu Phe Pro
365    370    375
Asp Lys Asp Trp Ala His Ile Ser Cys Ala Ala Lys Asp Leu Ile
380    385    390
Ser Lys Leu Leu Val Arg Asp Ala Lys Gln Arg Leu Ser Ala Ala
395    400    405
Gln Val Leu Gln His Pro Trp Val Gln Gly Cys Ala Pro Glu Asn
410    415    420
Thr Leu Pro Thr Pro Met Val Leu Gln Arg Trp Asp Ser His Phe
425    430    435
Leu Leu Pro Pro His Pro Cys Arg Ile His Val Arg Pro Gly Gly

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Leu Val Arg Thr Val Thr Val Asn Glu
 440 445 450
 455

<210> 20
 <211> 537
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523542CD1

<400> 20
 Met Ala Gly Ala Ser Glu Leu Gly Thr Gly Pro Gly Ala Ala Gly
 1 5 10 15
 Gly Asp Gly Asp Asp Ser Leu Tyr Pro Ile Ala Val Leu Ile Asp
 20 25 30
 Glu Leu Arg Asn Glu Asp Val Gln Pro Pro Leu Glu Asn Leu Ala
 35 40 45
 Thr Val Glu Glu Thr Val Val Arg Asp Lys Ala Val Glu Ser Leu
 50 55 60
 Arg Gln Ile Ser Gln Glu His Thr Pro Val Ala Leu Glu Ala Tyr
 65 70 75
 Phe Val Pro Leu Val Lys Arg Leu Ala Ser Gly Asp Trp Phe Thr
 80 85 90
 Ser Arg Thr Ser Ala Cys Gly Leu Phe Ser Val Cys Tyr Pro Arg
 95 100 105
 Ala Ser Asn Ala Val Lys Ala Glu Ile Arg Gln Gln Phe Arg Ser
 110 115 120
 Leu Cys Ser Asp Asp Thr Pro Met Val Arg Arg Ala Ala Ala Ser
 125 130 135
 Lys Leu Gly Glu Phe Ala Lys Val Leu Glu Leu Asp Ser Val Lys
 140 145 150
 Ser Glu Ile Val Pro Leu Phe Thr Ser Leu Ala Ser Asp Glu Gln
 155 160 165
 Asp Ser Val Arg Leu Leu Ala Val Glu Ala Cys Val Ser Ile Ala
 170 175 180
 Gln Leu Leu Ser Gln Asp Asp Leu Glu Thr Leu Val Met Pro Thr
 185 190 195
 Leu Arg Gln Ala Ala Glu Asp Lys Ser Trp Arg Val Arg Tyr Met
 200 205 210
 Val Ala Asp Arg Phe Ser Glu Leu Gln Lys Ala Met Gly Pro Lys
 215 220 225
 Ile Thr Leu Asn Asp Leu Ile Pro Ala Phe Gln Asn Leu Leu Lys
 230 235 240
 Asp Cys Glu Ala Glu Val Arg Ala Ala Ala Ala His Lys Val Lys
 245 250 255
 Glu Leu Gly Glu Asn Leu Pro Ile Glu Asp Arg Glu Thr Ile Ile
 260 265 270
 Met Asn Gln Ile Leu Pro Tyr Ile Lys Glu Leu Val Ser Asp Thr
 275 280 285
 Asn Gln His Val Lys Ser Ala Leu Ala Ser Val Ile Met Gly Leu
 290 295 300
 Ser Thr Ile Leu Gly Lys Glu Asn Thr Ile Glu His Leu Leu Pro
 305 310 315
 Leu Phe Leu Ala Gln Leu Lys Asp Glu Cys Pro Asp Val Arg Leu
 320 325 330
 Asn Ile Ile Ser Asn Leu Asp Cys Val Asn Glu Val Ile Gly Ile
 335 340 345
 Arg Gln Leu Ser Gln Ser Leu Leu Pro Ala Ile Val Glu Leu Ala
 350 355 360
 Glu Asp Ala Lys Trp Arg Val Arg Leu Ala Ile Ile Glu Tyr Met

Pro Leu Leu Ala Gly	Gln Leu Gly Val	Glu Phe Phe Asp Glu	Lys
365	370	375	
380	385	390	
Leu Asn Ser Leu Cys	Met Ala Trp Leu Val	Asp His Val Tyr	Ala
395	400	405	
Ile Arg Glu Ala Ala	Thr Asn Asn Leu Met	Lys Leu Val Gln	Lys
410	415	420	
Phe Gly Thr Glu Trp	Ala Gln Asn Thr	Ile Val Pro Lys Val	Leu
425	430	435	
Val Met Ala Asn Asp	Pro Asn Tyr Leu His	Arg Met Thr Thr	Leu
440	445	450	
Phe Cys Ile Asn Ala	Leu Ser Glu Ala Cys	Gly Gln Glu Ile	Thr
455	460	465	
Thr Lys Gln Met Leu	Pro Ile Val Leu Lys	Met Ala Gly Asp	Gln
470	475	480	
Val Ala Asn Val Arg	Phe Asn Val Ala Lys	Ser Leu Gln Lys	Ile
485	490	495	
Gly Pro Ile Leu Asp	Thr Asn Ala Leu Gln	Gly Glu Val Lys	Pro
500	505	510	
Val Leu Gln Lys Leu	Gly Gln Asp Glu Asp	Met Asp Val Lys	Tyr
515	520	525	
Phe Ala Gln Glu Ala	Ile Ser Val Leu Ala	Leu Ala	
530	535		

<210> 21

<211> 586

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523546CD1

<400> 21

Met Ser Arg Glu Ser	Asp Val Glu Ala Gln	Gln Ser His Gly Ser
1	5	10
Ser Ala Cys Ser Gln	Pro His Gly Ser Val	Thr Gln Ser Gln Gly
20	25	30
Ser Ser Ser Gln Ser	Gln Gly Ile Ser Ser	Ser Ser Thr Ser Thr
35	40	45
Met Pro Asn Ser Ser	Gln Ser Ser His Ser	Ser Ser Ser Gly Thr Leu
50	55	60
Ser Ser Leu Glu Thr	Val Ser Thr Gln Glu	Leu Tyr Ser Ile Pro
65	70	75
Glu Asp Gln Glu Pro	Glu Asp Gln Glu Pro	Glu Glu Pro Thr Pro
80	85	90
Ala Pro Trp Ala Arg	Leu Trp Ala Leu Gln	Asp Gly Phe Ala Asn
95	100	105
Leu Glu Thr Glu Ser	Gly His Val Thr Gln	Ser Asp Leu Glu Leu
110	115	120
Leu Leu Ser Ser Asp	Pro Pro Ala Ser Ala	Ser Gln Ser Ala Gly
125	130	135
Ile Arg Gly Val Arg	His His Pro Arg Pro	Val Cys Ser Leu Lys
140	145	150
Cys Val Asn Asp Asn	Tyr Trp Phe Gly Arg	Asp Lys Ser Cys Glu
155	160	165
Tyr Cys Phe Asp Glu	Pro Leu Leu Lys Arg	Thr Asp Lys Tyr Arg
170	175	180
Thr Tyr Ser Lys Lys	His Phe Arg Ile Phe	Arg Glu Val Gly Pro
185	190	195
Lys Asn Ser Tyr Ile	Ala Tyr Ile Glu Asp	His Ser Gly Asn Gly
200	205	210
Thr Phe Val Asn Thr	Glu Leu Val Gly Lys	Gly Lys Arg Arg Pro

Leu Asn Asn Asn Ser	215	220	225
Val Phe Val Phe Phe	230	235	240
Pro Lys Ala Leu Arg	245	250	255
Ser Gly Ala Cys Gly	260	265	270
Cys Lys Lys Val Ala	275	280	285
Ile Gly Ser Ala Arg	290	295	300
Glu Ile Glu Ile Leu	305	310	315
Ile Lys Asn Phe Phe	320	325	330
Leu Met Glu Gly Gly	335	340	345
Arg Leu Lys Glu Ala	350	355	360
Leu Ala Val Gln Tyr	365	370	375
Leu Lys Pro Glu Asn	380	385	390
Leu Ile Lys Ile Thr	395	400	405
Thr Ser Leu Met Arg	410	415	420
Pro Glu Val Leu Val	425	430	435
Val Asp Cys Trp Ser	440	445	450
Gly Tyr Pro Pro Phe	455	460	465
Asp Gln Ile Thr Ser	470	475	480
Ala Glu Val Ser Glu	485	490	495
Val Val Asp Pro Lys	500	505	510
His Pro Trp Leu Gln	515	520	525
Leu Leu Ser Glu Glu	530	535	540
Ala Gln Pro Ser Thr	545	550	555
Glu Gly Ala Glu Thr	560	565	570
Leu	575	580	585

<210> 22
 <211> 142
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523552CD1

<400> 22
 Met Ser Gly Pro Arg Ala Gly Phe Tyr Arg Gln Glu Leu Asn Lys

1	5	10	15
Thr Val Trp Glu Val	Pro Gln Arg Leu	Gln Gly Leu Arg Pro	Val
20	25	30	
Gly Ser Gly Ala Tyr	Gly Ser Val Cys Ser	Ala Tyr Asp Ala Arg	
35	40	45	
Leu Arg Gln Lys Val	Ala Val Lys Lys Leu	Ser Arg Pro Phe Gln	
50	55	60	
Ser Leu Ile His Ala	Arg Arg Thr Tyr Arg	Glu Leu Arg Leu Leu	
65	70	75	
Lys His Leu Lys His	Glu Asn Val Leu Gly	Asp His Pro Asp Gly	
80	85	90	
Arg Arg Pro Glu Gln	His Arg Gln Val Pro	Gly Ala Glu Arg Arg	
95	100	105	
Ala Arg Ser Ile Pro	Gly Leu Pro Ala Ala	Ala Arg Ala Glu Val	
110	115	120	
His Pro Leu Gly Arg	Asp His Pro Pro Gly	Pro Glu Ala Gln Gln	
125	130	135	
Arg Gly Cys Glu Arg	Gly Leu		
140			

<210> 23

<211> 325

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523564CD1

<400> 23

Met Ser Gly Arg Arg	Phe His Leu Ser Thr	Thr Asp Arg Val Ile
1	5	10
Lys Ala Val Pro Phe	Pro Pro Thr Gln Arg	Leu Thr Phe Lys Glu
20	25	30
Val Phe Glu Asn Gly	Lys Pro Lys Val Asp	Val Leu Lys Asn His
35	40	45
Leu Val Lys Glu Gly	Arg Leu Glu Glu Glu	Val Ala Leu Lys Ile
50	55	60
Ile Asn Asp Gly Ala	Ala Ile Leu Arg Gln	Glu Lys Thr Met Ile
65	70	75
Glu Val Asp Ala Pro	Ile Thr Val Cys Gly	Asp Ile His Gly Gln
80	85	90
Phe Phe Asp Leu Met	Lys Leu Phe Glu Val	Gly Gly Ser Pro Ser
95	100	105
Asn Thr Arg Tyr Leu	Phe Leu Gly Asp Tyr	Val Asp Arg Gly Tyr
110	115	120
Phe Ser Ile Glu Cys	Val Leu Tyr Leu Trp	Ser Leu Lys Ile Asn
125	130	135
His Pro Lys Thr Leu	Phe Leu Leu Arg Gly	Asn His Glu Cys Arg
140	145	150
His Leu Thr Asp Tyr	Phe Thr Phe Lys Gln	Glu Cys Arg Ile Lys
155	160	165
Tyr Ser Glu Gln Val	Tyr Asp Ala Cys Met	Glu Thr Phe Asp Cys
170	175	180
Leu Pro Leu Ala Ala	Leu Leu Asn Gln Gln	Phe Leu Cys Val His
185	190	195
Gly Gly Met Ser Pro	Glu Val Thr Ser Leu	Asp Asp Ile Arg Lys
200	205	210
Leu Asp Arg Phe Thr	Glu Pro Pro Ala Phe	Gly Pro Val Cys Asp
215	220	225
Leu Leu Trp Ser Asp	Pro Ser Glu Asp Tyr	Gly Asn Glu Lys Thr
230	235	240
Leu Glu His Tyr Thr	His Asn Thr Val Arg	Gly Cys Ser Tyr Phe

	245	250	255
Tyr Ser Tyr Pro	Ala Val Cys Glu Phe	Leu Gln Asn Asn Asn	Leu
	260	265	270
Leu Ser Ile Ile	Arg Ala His Glu Ala	Gln Asp Ala Gly Tyr	Arg
	275	280	285
Met Tyr Arg Lys	Ser Gln Ala Thr Gly	Phe Pro Ser Leu Ile	Thr
	290	295	300
Ile Phe Ser Ala	Pro Asn Tyr Leu Asp	Val Tyr Asn Asn Lys	Glu
	305	310	315
Ser Ala Thr His	Ser Phe Asp Tyr Pro	Gln	
	320	325	

<210> 24
 <211> 488
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523572CD1

<400> 24

Met Ser Gly Arg	Arg Phe His Leu Ser	Thr Thr Asp Arg Val	Ile
1	5	10	15
Lys Ala Val Pro	Phe Pro Pro Thr Gln	Arg Leu Thr Phe Lys	Glu
	20	25	30
Val Phe Glu Asn	Gly Lys Pro Lys Val	Asp Val Leu Lys Asn	His
	35	40	45
Leu Val Lys Glu	Gly Arg Leu Glu Glu	Glu Val Ala Leu Lys	Ile
	50	55	60
Ile Asn Asp Gly	Ala Ala Ile Leu Arg	Gln Glu Lys Thr Met	Ile
	65	70	75
Glu Val Asp Ala	Pro Ile Thr Val Cys	Gly Asp Ile His Gly	Gln
	80	85	90
Phe Phe Asp Leu	Met Lys Leu Phe Glu	Val Gly Gly Ser Pro	Ser
	95	100	105
Asn Thr Arg Tyr	Leu Phe Leu Gly Asp	Tyr Val Asp Arg Gly	Tyr
	110	115	120
Phe Ser Ile Glu	Cys Val Leu Tyr Leu	Trp Ser Leu Lys Ile	Asn
	125	130	135
His Pro Lys Thr	Leu Phe Leu Leu Arg	Gly Asn His Glu Cys	Arg
	140	145	150
His Leu Thr Asp	Tyr Phe Thr Phe Lys	Gln Glu Cys Arg Ile	Lys
	155	160	165
Cys Ser Glu Gln	Val Tyr Asp Ala Cys	Met Glu Thr Phe Asp	Cys
	170	175	180
Leu Pro Leu Ala	Ala Leu Leu Asn Gln	Gln Phe Leu Cys Val	His
	185	190	195
Gly Gly Met Ser	Pro Glu Ile Thr Ser	Leu Asp Asp Ile Arg	Lys
	200	205	210
Leu Asp Arg Phe	Thr Glu Pro Pro Ala	Phe Gly Pro Val Cys	Asp
	215	220	225
Leu Leu Trp Ser	Asp Pro Ser Glu Asp	Tyr Gly Asn Glu Lys	Thr
	230	235	240
Leu Glu His Tyr	Thr His Asn Thr Val	Arg Gly Cys Ser Tyr	Phe
	245	250	255
Tyr Ser Tyr Pro	Ala Val Cys Glu Phe	Leu Gln Asn Asn Asn	Leu
	260	265	270
Leu Ser Ile Ile	Arg Ala His Glu Ala	Gln Asp Ala Gly Tyr	Arg
	275	280	285
Met Tyr Arg Lys	Ser Gln Ala Thr Gly	Phe Pro Ser Leu Ile	Thr
	290	295	300
Ile Phe Ser Ala	Pro Asn Tyr Leu Asp	Val Tyr Asn Asn Lys	Ala

Ala Val Leu Lys	305		310		315
Tyr Glu Asn Asn Val		Met Asn Ile Arg Gln		Phe	
320		325		330	
Asn Cys Ser Pro	His	Pro Tyr Trp Leu	Pro Asn Phe Met Asp	Val	
335		340		345	
Phe Thr Trp Ser	Leu	Pro Phe Val Gly	Glu Lys Gly Ser Thr	Thr	
350		355		360	
Val Arg Lys Glu	Ile	Ile Arg Asn Lys	Ile Arg Ala Val Gly	Lys	
365		370		375	
Met Ala Arg Val	Phe	Ser Ile Leu Arg	Gln Glu Ser Glu Ser	Val	
380		385		390	
Leu Thr Leu Lys	Gly	Leu Thr Pro Thr	Gly Thr Leu Pro Leu	Gly	
395		400		405	
Val Leu Ser Gly	Gly	Lys Gln Thr Ile	Glu Thr Ala Thr Val	Glu	
410		415		420	
Ala Val Glu Ala	Arg	Glu Ala Ile Arg	Gly Phe Ser Leu Gln	His	
425		430		435	
Lys Ile Arg Ser	Phe	Glu Glu Ala Arg	Gly Leu Asp Arg Ile	Asn	
440		445		450	
Glu Arg Met Pro	Pro	Arg Lys Asp Ser	Ile His Ala Gly Gly	Pro	
455		460		465	
Met Lys Ser Val	Thr	Ser Ala His Ser	His Ala Ala His Arg	Ser	
470		475		480	
Asp Gln Gly Lys	Lys	Ala His Ser			
485					

<210> 25
 <211> 113
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523586CD1

<400> 25	
Met Ser Glu Asp Ser Ser Ala Leu Pro Trp Ser Ile Asn Arg Asp	
1 5 10 15	
Asp Tyr Glu Leu Gln Glu Val Ile Gly Ser Gly Ala Thr Ala Val	
20 25 30	
Val Gln Ala Ala Tyr Cys Ala Pro Lys Lys Glu Lys Val Ala Ile	
35 40 45	
Lys Arg Ile Asn Leu Glu Lys Cys Gln Thr Ser Met Asp Glu Leu	
50 55 60	
Leu Lys Glu Ile Gln Ala Met Ser Gln Cys His His Pro Asn Ile	
65 70 75	
Val Ser Tyr Tyr Thr Ser Phe Val Val Lys Asp Glu Leu Trp Leu	
80 85 90	
Val Met Lys Leu Leu Ser Gly Val Thr His Trp Arg Asn Trp Ile	
95 100 105	
Ala Leu Leu Lys Ala Leu Phe Ile	
110	

<210> 26
 <211> 902
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523617CD1

<400> 26

Met	Ala	Asn	Phe	Gln	Glu	His	Leu	Ser	Cys	Ser	Ser	Ser	Pro	His
1				5					10					15
Leu	Pro	Phe	Ser	Glu	Ser	Lys	Thr	Phe	Asn	Gly	Leu	Gln	Asp	Glu
				20					25					30
Leu	Thr	Ala	Met	Gly	Asn	His	Pro	Ser	Pro	Lys	Leu	Leu	Glu	Asp
				35					40					45
Gln	Gln	Glu	Lys	Gly	Met	Val	Arg	Thr	Glu	Leu	Ile	Glu	Ser	Val
				50					55					60
His	Ser	Pro	Val	Thr	Thr	Thr	Val	Leu	Thr	Ser	Val	Ser	Glu	Asp
				65					70					75
Ser	Arg	Asp	Gln	Phe	Glu	Asn	Ser	Val	Leu	Gln	Leu	Arg	Glu	His
				80					85					90
Asp	Glu	Ser	Glu	Thr	Ala	Val	Ser	Gln	Gly	Asn	Ser	Asn	Thr	Val
				95					100					105
Asp	Gly	Glu	Ser	Thr	Ser	Gly	Thr	Glu	Asp	Ile	Lys	Ile	Gln	Phe
				110					115					120
Ser	Arg	Ser	Gly	Ser	Gly	Ser	Gly	Gly	Phe	Leu	Glu	Gly	Leu	Phe
				125					130					135
Gly	Cys	Leu	Arg	Pro	Val	Trp	Asn	Ile	Ile	Gly	Lys	Ala	Tyr	Ser
				140					145					150
Thr	Asp	Tyr	Lys	Leu	Gln	Gln	Gln	Asp	Thr	Trp	Glu	Val	Pro	Phe
				155					160					165
Glu	Glu	Ile	Ser	Glu	Leu	Gln	Trp	Leu	Gly	Ser	Gly	Ala	Gln	Gly
				170					175					180
Ala	Val	Phe	Leu	Gly	Lys	Phe	Arg	Ala	Glu	Glu	Val	Ala	Ile	Lys
				185					190					195
Lys	Val	Arg	Glu	Gln	Asn	Glu	Thr	Asp	Ile	Lys	His	Leu	Arg	Lys
				200					205					210
Leu	Lys	His	Pro	Asn	Ile	Ile	Ala	Phe	Asn	Val	Leu	Val	Thr	His
				215					220					225
Thr	Asp	Ala	Val	Lys	Ile	Ser	Asp	Phe	Gly	Thr	Ser	Lys	Glu	Leu
				230					235					240
Ser	Asp	Lys	Ser	Thr	Lys	Met	Ser	Phe	Ala	Gly	Thr	Val	Ala	Trp
				245					250					255
Met	Ala	Pro	Glu	Val	Ile	Arg	Asn	Glu	Pro	Val	Ser	Glu	Lys	Val
				260					265					270
Asp	Ile	Trp	Ser	Phe	Gly	Val	Val	Leu	Arg	Glu	Leu	Leu	Thr	Gly
				275					280					285
Glu	Ile	Pro	Tyr	Lys	Asp	Val	Asp	Ser	Ser	Ala	Ile	Ile	Trp	Gly
				290					295					300
Val	Gly	Ser	Asn	Ser	Leu	His	Leu	Pro	Val	Pro	Ser	Thr	Cys	Pro
				305					310					315
Asp	Gly	Phe	Lys	Ile	Leu	Met	Lys	Gln	Thr	Trp	Gln	Ser	Lys	Pro
				320					325					330
Arg	Asn	Arg	Pro	Ser	Phe	Arg	Gln	Thr	Leu	Met	His	Leu	Asp	Ile
				335					340					345
Ala	Ser	Ala	Asp	Val	Leu	Ala	Thr	Pro	Gln	Glu	Thr	Tyr	Phe	Lys
				350					355					360
Ser	Gln	Ala	Glu	Trp	Arg	Glu	Glu	Val	Lys	Lys	His	Phe	Glu	Lys
				365					370					375
Ile	Lys	Ser	Glu	Gly	Thr	Cys	Ile	His	Arg	Leu	Asp	Glu	Glu	Leu
				380					385					390
Ile	Arg	Arg	Arg	Arg	Glu	Glu	Leu	Arg	His	Ala	Leu	Asp	Ile	Arg
				395					400					405
Glu	His	Tyr	Glu	Arg	Lys	Leu	Glu	Arg	Ala	Asn	Asn	Leu	Tyr	Met
				410					415					420
Glu	Leu	Ser	Ala	Ile	Met	Leu	Gln	Leu	Glu	Met	Arg	Glu	Lys	Glu
				425					430					435
Leu	Ile	Lys	Arg	Glu	Gln	Ala	Val	Glu	Lys	Lys	Tyr	Pro	Gly	Thr
				440					445					450
Tyr	Lys	Arg	His	Pro	Val	Arg	Pro	Ile	Ile	His	Pro	Asn	Ala	Met
				455					460					465
Glu	Lys	Leu	Met	Lys	Arg	Lys	Gly	Val	Pro	His	Lys	Ser	Gly	Met

	470		475		480
Gln Thr Lys Arg	Pro Asp Leu Leu Arg	Ser Glu Gly Ile Pro	Thr		
	485		490		495
Thr Glu Val Ala	Pro Thr Ala Ser Pro	Leu Ser Gly Ser Pro	Lys		
	500		505		510
Met Ser Thr Ser	Ser Ser Lys Ser Arg	Tyr Arg Ser Lys Pro	Arg		
	515		520		525
His Arg Arg Gly	Asn Ser Arg Gly Ser	His Ser Asp Phe Ala	Ala		
	530		535		540
Ile Leu Lys Asn	Gln Pro Ala Gln Glu	Asn Ser Pro His Pro	Thr		
	545		550		555
Tyr Leu His Gln	Ala Gln Ser Gln Tyr	Pro Ser Leu His His	His		
	560		565		570
Asn Ser Leu Gln	Gln Gln Tyr Gln Gln	Pro Pro Pro Ala Met	Ser		
	575		580		585
Gln Ser His His	Pro Arg Leu Asn Met	His Gly Gln Asp Ile	Ala		
	590		595		600
Thr Cys Ala Asn	Asn Leu Arg Tyr Phe	Gly Pro Ala Ala Ala	Leu		
	605		610		615
Arg Ser Pro Leu	Ser Asn His Ala Gln	Arg Gln Leu Pro Gly	Ser		
	620		625		630
Ser Pro Asp Leu	Ile Ser Thr Ala Met	Ala Ala Asp Cys Trp	Arg		
	635		640		645
Ser Ser Glu Pro	Asp Lys Gly Gln Ala	Gly Pro Trp Gly Cys	Cys		
	650		655		660
Gln Ala Asp Ala	Tyr Asp Pro Cys Leu	Gln Cys Arg Pro Glu	Gln		
	665		670		675
Tyr Gly Ser Leu	Asp Ile Pro Ser Ala	Glu Pro Val Gly Arg	Ser		
	680		685		690
Pro Asp Leu Ser	Lys Ser Pro Ala His	Asn Pro Leu Leu Glu	Asn		
	695		700		705
Ala Gln Ser Ser	Glu Lys Thr Glu Glu	Asn Glu Phe Ser Gly	Cys		
	710		715		720
Arg Ser Glu Ser	Ser Leu Gly Thr Ser	His Leu Gly Thr Pro	Pro		
	725		730		735
Ala Leu Pro Arg	Lys Thr Arg Pro Leu	Gln Lys Ser Gly Asp	Asp		
	740		745		750
Ser Ser Glu Glu	Glu Glu Gly Glu Val	Asp Ser Glu Val Glu	Phe		
	755		760		765
Pro Arg Arg Gln	Arg Pro His Arg Cys	Ile Ser Ser Cys Gln	Ser		
	770		775		780
Tyr Ser Thr Phe	Ser Ser Glu Asn Phe	Ser Val Ser Asp Gly	Glu		
	785		790		795
Glu Gly Asn Thr	Ser Asp His Ser Asn	Ser Pro Asp Glu Leu	Ala		
	800		805		810
Asp Lys Leu Glu	Asp Arg Leu Ala Glu	Lys Leu Asp Asp Leu	Leu		
	815		820		825
Ser Gln Thr Pro	Glu Ile Pro Ile Asp	Ile Ser Ser His Ser	Asp		
	830		835		840
Gly Leu Ser Asp	Lys Glu Cys Ala Val	Arg Arg Val Lys Thr	Gln		
	845		850		855
Met Ser Leu Gly	Lys Leu Cys Val Glu	Glu Arg Gly Tyr Glu	Asn		
	860		865		870
Pro Met Gln Phe	Glu Glu Ser Asp Cys	Asp Ser Ser Asp Gly	Glu		
	875		880		885
Cys Ser Asp Ala	Thr Val Arg Thr Asn	Lys His Tyr Ser Ser	Ala		
	890		895		900
Thr Trp					

<210> 27
 <211> 458
 <212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523625CD1

<400> 27

Met	Lys	Asp	Tyr	Asp	Glu	Leu	Leu	Lys	Tyr	Tyr	Glu	Leu	His	Glu
1				5					10					15
Thr	Ile	Gly	Thr	Gly	Gly	Phe	Ala	Lys	Val	Lys	Leu	Ala	Cys	His
				20					25					30
Ile	Leu	Thr	Gly	Glu	Met	Val	Ala	Ile	Lys	Ile	Met	Asp	Lys	Asn
				35					40					45
Thr	Leu	Gly	Ser	Asp	Leu	Pro	Arg	Ile	Lys	Thr	Glu	Ile	Glu	Ala
				50					55					60
Leu	Lys	Asn	Leu	Arg	His	Gln	His	Ile	Cys	Gln	Leu	Tyr	His	Val
				65					70					75
Leu	Glu	Thr	Ala	Asn	Lys	Ile	Phe	Met	Val	Leu	Glu	Glu	Asn	Leu
				80					85					90
Leu	Phe	Asp	Glu	Tyr	His	Lys	Leu	Lys	Leu	Ile	Asp	Phe	Gly	Leu
				95					100					105
Cys	Ala	Lys	Pro	Lys	Gly	Asn	Lys	Asp	Tyr	His	Leu	Gln	Thr	Cys
				110					115					120
Cys	Gly	Ser	Leu	Ala	Tyr	Ala	Ala	Pro	Glu	Leu	Ile	Gln	Gly	Lys
				125					130					135
Ser	Tyr	Leu	Gly	Ser	Glu	Ala	Asp	Val	Trp	Ser	Met	Gly	Ile	Leu
				140					145					150
Leu	Tyr	Val	Leu	Met	Cys	Gly	Phe	Leu	Pro	Phe	Asp	Asp	Asp	Asn
				155					160					165
Val	Met	Ala	Leu	Tyr	Lys	Lys	Ile	Met	Arg	Gly	Lys	Tyr	Asp	Val
				170					175					180
Pro	Lys	Trp	Leu	Ser	Pro	Ser	Ser	Ile	Leu	Leu	Leu	Gln	Gln	Met
				185					190					195
Leu	Gln	Val	Asp	Pro	Lys	Lys	Arg	Ile	Ser	Met	Lys	Asn	Leu	Leu
				200					205					210
Asn	His	Pro	Trp	Ile	Met	Gln	Asp	Tyr	Asn	Tyr	Pro	Val	Glu	Trp
				215					220					225
Gln	Ser	Lys	Asn	Pro	Phe	Ile	His	Leu	Asp	Asp	Asp	Cys	Val	Thr
				230					235					240
Glu	Leu	Ser	Val	His	His	Arg	Asn	Asn	Arg	Gln	Thr	Met	Glu	Asp
				245					250					255
Leu	Ile	Ser	Leu	Trp	Gln	Tyr	Asp	His	Leu	Thr	Ala	Thr	Tyr	Leu
				260					265					270
Leu	Leu	Leu	Ala	Lys	Lys	Ala	Arg	Gly	Lys	Pro	Val	Arg	Leu	Arg
				275					280					285
Leu	Ser	Ser	Phe	Ser	Cys	Gly	Gln	Ala	Ser	Ala	Thr	Pro	Phe	Thr
				290					295					300
Asp	Ile	Lys	Ser	Asn	Asn	Trp	Ser	Leu	Glu	Asp	Val	Thr	Ala	Ser
				305					310					315
Asp	Lys	Asn	Tyr	Val	Ala	Gly	Leu	Ile	Asp	Tyr	Asp	Trp	Cys	Glu
				320					325					330
Asp	Asp	Leu	Ser	Thr	Gly	Ala	Ala	Thr	Pro	Arg	Thr	Ser	Gln	Phe
				335					340					345
Thr	Lys	Tyr	Trp	Thr	Glu	Ser	Asn	Gly	Val	Glu	Ser	Lys	Ser	Leu
				350					355					360
Thr	Pro	Ala	Leu	Cys	Arg	Thr	Pro	Ala	Asn	Lys	Leu	Lys	Asn	Lys
				365					370					375
Glu	Asn	Val	Tyr	Thr	Pro	Lys	Ser	Ala	Val	Lys	Asn	Glu	Glu	Tyr
				380					385					390
Phe	Met	Phe	Pro	Glu	Pro	Lys	Thr	Pro	Val	Asn	Lys	Asn	Gln	His
				395					400					405
Lys	Arg	Glu	Ile	Leu	Thr	Thr	Pro	Asn	Arg	Tyr	Thr	Thr	Pro	Ser
				410					415					420

Lys Ala Arg Asn Gln Cys Leu Lys Glu Thr Pro Ile Lys Ile Pro
 425 430 435
 Val Asn Ser Thr Gly Thr Asp Lys Leu Met Thr Gly Val Ile Ser
 440 445 450
 Pro Glu Arg Arg Phe Thr Ile Met
 455

<210> 28
 <211> 597
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523650CD1

<400> 28
 Met Gln Ser Thr Ala Asn Tyr Leu Trp His Thr Asp Asp Leu Leu
 1 5 10 15
 Gly Gln Gly Ala Thr Ala Ser Val Tyr Lys Ala Arg Asn Lys Lys
 20 25 30
 Ser Gly Glu Leu Val Ala Val Lys Val Phe Asn Thr Thr Ser Tyr
 35 40 45
 Leu Arg Pro Arg Glu Val Gln Val Arg Glu Phe Glu Val Leu Arg
 50 55 60
 Lys Leu Asn His Gln Asn Ile Val Lys Leu Phe Ala Val Glu Glu
 65 70 75
 Thr Gly Gly Ser Arg Gln Lys Val Leu Val Met Glu Tyr Cys Ser
 80 85 90
 Ser Gly Ser Leu Leu Ser Val Leu Glu Ser Pro Glu Asn Ala Phe
 95 100 105
 Gly Leu Pro Glu Asp Glu Phe Leu Val Val Leu Arg Cys Val Val
 110 115 120
 Ala Gly Met Asn His Leu Arg Glu Asn Gly Ile Val His Arg Asp
 125 130 135
 Ile Lys Pro Gly Asn Ile Met Arg Leu Val Gly Glu Glu Gly Gln
 140 145 150
 Ser Ile Tyr Lys Leu Thr Asp Phe Gly Ala Ala Arg Glu Leu Asp
 155 160 165
 Asp Asp Glu Lys Phe Val Ser Val Tyr Gly Thr Glu Glu Tyr Leu
 170 175 180
 His Pro Asp Met Tyr Glu Arg Ala Val Leu Arg Lys Pro Gln Gln
 185 190 195
 Lys Ala Phe Gly Val Thr Val Asp Leu Trp Ser Ile Gly Val Thr
 200 205 210
 Leu Tyr Arg Ala Ala Thr Gly Ser Leu Pro Phe Ile Pro Phe Gly
 215 220 225
 Gly Pro Arg Arg Asn Lys Glu Ile Met Tyr Arg Ile Thr Thr Glu
 230 235 240
 Lys Pro Ala Gly Ala Ile Ala Gly Ala Gln Arg Arg Glu Asn Gly
 245 250 255
 Pro Leu Glu Trp Ser Tyr Thr Leu Pro Ile Thr Cys Gln Leu Ser
 260 265 270
 Leu Ile Ala Ile Phe Gln Glu Ala Val His Lys Gln Thr Ser Val
 275 280 285
 Ala Pro Arg His Gln Glu Tyr Leu Phe Glu Gly His Leu Cys Val
 290 295 300
 Leu Glu Pro Ser Val Ser Ala Gln His Ile Ala His Thr Thr Ala
 305 310 315
 Ser Ser Pro Leu Thr Leu Phe Ser Thr Ala Ile Pro Lys Gly Leu
 320 325 330
 Ala Phe Arg Asp Pro Ala Leu Asp Val Pro Lys Phe Val Pro Lys
 335 340 345

Val Asp Leu Gln	Ala Asp Tyr Asn Thr	Ala Lys Gly Val Leu	Gly
350	355		360
Ala Gly Tyr Gln	Ala Leu Arg Leu Ala	Arg Ala Leu Leu Asp	Gly
365	370		375
Gln Glu Leu Met	Phe Arg Gly Leu His	Trp Val Met Glu Val	Leu
380	385		390
Gln Ala Thr Cys	Arg Arg Thr Leu Glu	Val Ala Arg Thr Thr	Leu
395	400		405
Leu Tyr Leu Ser	Ser Ser Leu Gly Thr	Glu Arg Phe Ser Ser	Val
410	415		420
Ala Gly Thr Pro	Glu Ile Gln Glu Leu	Lys Ala Ala Ala Glu	Leu
425	430		435
Arg Ser Arg Leu	Arg Thr Leu Ala Glu	Val Leu Ser Arg Cys	Ser
440	445		450
Gln Asn Ile Thr	Glu Thr Gln Glu Ser	Leu Ser Ser Leu Asn	Arg
455	460		465
Glu Leu Val Lys	Ser Arg Asp Gln Val	His Glu Asp Arg Ser	Ile
470	475		480
Gln Gln Ile Gln	Cys Cys Leu Asp Lys	Met Asn Phe Ile Tyr	Lys
485	490		495
Gln Phe Lys Lys	Ser Arg Met Arg Pro	Gly Leu Gly Tyr Asn	Glu
500	505		510
Glu Gln Ile His	Lys Leu Asp Lys Val	Asn Phe Ser Gln Leu	Ala
515	520		525
Lys Arg Leu Leu	Gln Val Phe Gln Glu	Glu Cys Val Gln Lys	Tyr
530	535		540
Gln Ala Ser Leu	Val Thr His Gly Lys	Arg Met Arg Val Val	His
545	550		555
Glu Thr Arg Asn	His Leu Arg Leu Val	Gly Cys Ser Val Ala	Ala
560	565		570
Cys Asn Thr Glu	Ala Gln Gly Val Gln	Glu Ser Leu Ser Lys	His
575	580		585
Ala Arg Ala Leu	Arg Gly Asp Glu Ala	Ala Gly Ile	
590	595		

<210> 29

<211> 330

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523665CD1

<400> 29

Met Asn Ser Ser	Pro Ala Gly Thr	Pro Ser Pro Gln	Pro Ser Arg
1	5	10	15
Ala Asn Gly Asn	Ile Asn Leu Gly	Pro Ser Ala Asn	Pro Asn Ala
20	25		30
Gln Pro Thr Asp	Phe Asp Phe Leu	Lys Val Ile Gly	Lys Gly Asn
35	40		45
Tyr Gly Lys Val	Leu Leu Ala Lys	Arg Lys Pro Asp	Gly Ala Phe
50	55		60
Tyr Ala Val Lys	Val Leu Gln Lys	Lys Ser Ile Leu	Lys Lys Lys
65	70		75
Glu Gln Ser His	Ile Met Ala Glu	Arg Ser Val Leu	Leu Lys Asn
80	85		90
Val Arg Arg Pro	Phe Leu Val Gly	Leu Arg Tyr Ser	Phe Gln Thr
95	100		105
Pro Glu Lys Leu	Tyr Phe Val Leu	Asp Tyr Val Asn	Gly Gly Glu
110	115		120
Leu Phe Phe His	Leu Gln Arg Glu	Arg Arg Phe Leu	Glu Pro Arg
125	130		135

Ala	Arg	Phe	Tyr	Ala	Ala	Glu	Val	Ala	Ser	Ala	Ile	Gly	Tyr	Leu
				140					145					150
His	Ser	Leu	Asn	Ile	Ile	Tyr	Arg	Asp	Leu	Lys	Pro	Glu	Asn	Ile
				155					160					165
Leu	Leu	Asp	Cys	Gln	Gly	His	Val	Val	Leu	Thr	Asp	Phe	Gly	Leu
				170					175					180
Cys	Lys	Glu	Gly	Val	Glu	Pro	Glu	Asp	Thr	Thr	Ser	Thr	Phe	Cys
				185					190					195
Gly	Thr	Pro	Glu	Tyr	Leu	Ala	Pro	Glu	Val	Leu	Arg	Lys	Glu	Pro
				200					205					210
Tyr	Asp	Arg	Ala	Val	Asp	Trp	Trp	Cys	Leu	Gly	Ala	Val	Leu	Tyr
				215					220					225
Glu	Met	Leu	His	Gly	Leu	Pro	Pro	Phe	Tyr	Ser	Gln	Asp	Val	Ser
				230					235					240
Gln	Met	Tyr	Glu	Asn	Ile	Leu	His	Gln	Pro	Leu	Gln	Ile	Pro	Gly
				245					250					255
Gly	Arg	Thr	Val	Ala	Ala	Cys	Asp	Leu	Leu	Gln	Ser	Leu	Leu	His
				260					265					270
Lys	Asp	Gln	Arg	Gln	Arg	Leu	Gly	Ser	Lys	Ala	Asp	Phe	Leu	Glu
				275					280					285
Ile	Lys	Asn	His	Val	Phe	Phe	Ser	Pro	Ile	Asn	Trp	Asp	Asp	Leu
				290					295					300
Tyr	His	Lys	Arg	Leu	Thr	Pro	Pro	Phe	Asn	Pro	Asn	Val	Ile	Gly
				305					310					315
Tyr	Thr	Arg	Ala	Arg	His	Gln	Lys	Ser	Phe	Phe	Ser	Leu	Gly	Phe
				320					325					330

<210> 30
 <211> 335
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523672CD1

<400> 30

Met	Asp	Arg	Met	Lys	Lys	Ile	Lys	Arg	Gln	Leu	Ser	Met	Thr	Leu
1				5					10					15
Arg	Gly	Gly	Arg	Gly	Ile	Asp	Lys	Thr	Asn	Gly	Ala	Pro	Glu	Gln
				20					25					30
Ile	Gly	Leu	Asp	Glu	Ser	Gly	Gly	Gly	Gly	Gly	Ser	Asp	Pro	Gly
				35					40					45
Glu	Ala	Pro	Thr	Arg	Ala	Ala	Pro	Gly	Glu	Leu	Arg	Ser	Ala	Arg
				50					55					60
Gly	Pro	Leu	Ser	Ser	Ala	Pro	Glu	Ile	Val	His	Glu	Asp	Leu	Lys
				65					70					75
Met	Gly	Ser	Asp	Gly	Glu	Ser	Asp	Gln	Ala	Ser	Ala	Thr	Ser	Ser
				80					85					90
Asp	Glu	Val	Gln	Ser	Pro	Val	Arg	Val	Arg	Met	Arg	Asn	His	Pro
				95					100					105
Pro	Arg	Lys	Ile	Ser	Thr	Glu	Asp	Ile	Asn	Lys	Arg	Leu	Ser	Leu
				110					115					120
Pro	Ala	Asp	Ile	Arg	Leu	Pro	Glu	Gly	Tyr	Leu	Glu	Lys	Leu	Thr
				125					130					135
Leu	Asn	Ser	Pro	Ile	Phe	Asp	Lys	Pro	Leu	Ser	Arg	Arg	Leu	Arg
				140					145					150
Arg	Val	Ser	Leu	Ser	Glu	Ile	Gly	Phe	Gly	Lys	Leu	Glu	Thr	Tyr
				155					160					165
Ile	Lys	Leu	Asp	Lys	Leu	Gly	Glu	Gly	Thr	Tyr	Ala	Thr	Val	Tyr
				170					175					180
Lys	Gly	Lys	Ser	Lys	Leu	Thr	Asp	Asn	Leu	Val	Ala	Leu	Lys	Glu

Ile Arg Leu Glu	185	190	195
His Glu Glu Gly Ala	200	205	210
Glu Val Ser Leu	215	220	225
Leu His Asp Ile	230	235	240
Glu Tyr Leu Asp	245	250	255
Asn Ile Ile Asn	260	265	270
Ala Gly Ala Gln	275	280	285
Ser Pro Arg Asn	290	295	300
Pro Trp Arg Ala	305	310	315
Leu Gly Leu Val	320	325	330
Gly Arg Ala Ser	335		

<210> 31
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523687CD1

Met Asp Val Val Asp	1	5	10	15
His Tyr Asp Leu Leu	20	25	30	35
Val Phe Lys Ala Arg	35	40	45	50
Lys Met Val Lys Met	50	55	60	65
Lys Glu Ile Leu Ile	65	70	75	80
Ala Tyr His Gly Ser	80	85	90	95
Met Glu Phe Cys Gly	95	100	105	110
Thr Gly Leu Phe Ala	110	115	120	
Gly Ser				

<210> 32
 <211> 532
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523689CD1

Met Asp Glu Gln Glu	1	5	10	15
Ala Leu Asn Ser Ile				
Met Asn Asp Leu Val				

Ala	Leu	Gln	Met	Asn	Arg	Arg	His	Arg	Met	Pro	Gly	Tyr	Glu	Thr
				20					25					30
Met	Lys	Asn	Lys	Asp	Thr	Gly	His	Ser	Asn	Arg	Gln	Lys	Lys	His
				35					40					45
Asn	Ser	Ser	Ser	Ser	Ala	Leu	Leu	Asn	Ser	Pro	Thr	Val	Thr	Thr
				50					55					60
Ser	Ser	Cys	Ala	Gly	Ala	Ser	Glu	Lys	Lys	Lys	Phe	Leu	Ser	Asp
				65					70					75
Val	Arg	Ile	Lys	Phe	Glu	His	Asn	Gly	Glu	Arg	Arg	Ile	Ile	Ala
				80					85					90
Phe	Ser	Arg	Pro	Val	Lys	Tyr	Glu	Asp	Val	Glu	His	Lys	Val	Thr
				95					100					105
Thr	Val	Phe	Gly	Gln	Pro	Leu	Asp	Leu	His	Tyr	Met	Asn	Asn	Glu
				110					115					120
Leu	Ser	Ile	Leu	Leu	Lys	Asn	Gln	Asp	Asp	Leu	Asp	Lys	Ala	Ile
				125					130					135
Asp	Ile	Leu	Asp	Arg	Ser	Ser	Ser	Met	Lys	Ser	Leu	Arg	Ile	Leu
				140					145					150
Leu	Leu	Ser	Gln	Asp	Arg	Asn	His	Asn	Ser	Ser	Ser	Pro	His	Ser
				155					160					165
Gly	Val	Ser	Arg	Gln	Val	Arg	Ile	Lys	Ala	Ser	Gln	Ser	Ala	Gly
				170					175					180
Asp	Ile	Asn	Thr	Ile	Tyr	Gln	Pro	Pro	Glu	Pro	Arg	Ser	Arg	His
				185					190					195
Leu	Ser	Val	Ser	Ser	Gln	Asn	Pro	Gly	Arg	Ser	Ser	Pro	Pro	Pro
				200					205					210
Gly	Tyr	Val	Pro	Glu	Arg	Gln	Gln	His	Ile	Ala	Arg	Gln	Gly	Ser
				215					220					225
Tyr	Thr	Ser	Ile	Asn	Ser	Glu	Gly	Glu	Phe	Ile	Pro	Glu	Thr	Ser
				230					235					240
Glu	Gln	Cys	Met	Leu	Asp	Pro	Leu	Ser	Ser	Ala	Glu	Asn	Ser	Leu
				245					250					255
Ser	Gly	Ser	Cys	Gln	Ser	Leu	Asp	Arg	Ser	Ala	Asp	Ser	Pro	Ser
				260					265					270
Phe	Arg	Lys	Ser	Arg	Met	Ser	Arg	Ala	Gln	Ser	Phe	Pro	Asp	Asn
				275					280					285
Arg	Gln	Glu	Tyr	Ser	Asp	Arg	Glu	Thr	Gln	Leu	Tyr	Asp	Lys	Gly
				290					295					300
Val	Lys	Gly	Gly	Thr	Tyr	Pro	Arg	Arg	Tyr	His	Val	Ser	Val	His
				305					310					315
His	Lys	Asp	Tyr	Ser	Asp	Gly	Arg	Arg	Thr	Phe	Pro	Arg	Ile	Arg
				320					325					330
Arg	His	Gln	Gly	Asn	Leu	Phe	Thr	Leu	Val	Pro	Ser	Ser	Arg	Ser
				335					340					345
Leu	Ser	Thr	Asn	Gly	Glu	Asn	Met	Gly	Leu	Ala	Val	Gln	Tyr	Leu
				350					355					360
Asp	Pro	Arg	Gly	Arg	Leu	Arg	Ser	Ala	Asp	Ser	Glu	Asn	Ala	Leu
				365					370					375
Ser	Val	Gln	Glu	Arg	Asn	Val	Pro	Thr	Lys	Ser	Pro	Ser	Ala	Pro
				380					385					390
Ile	Asn	Trp	Arg	Arg	Gly	Lys	Leu	Leu	Gly	Gln	Gly	Ala	Phe	Gly
				395					400					405
Arg	Val	Tyr	Leu	Cys	Tyr	Asp	Val	Asp	Thr	Gly	Arg	Glu	Leu	Ala
				410					415					420
Ser	Lys	Gln	Val	Gln	Phe	Asp	Pro	Asp	Ser	Pro	Glu	Thr	Ser	Lys
				425					430					435
Glu	Val	Ser	Ala	Leu	Glu	Cys	Glu	Ile	Gln	Leu	Leu	Lys	Asn	Leu
				440					445					450
Gln	His	Glu	Arg	Ile	Val	Gln	Tyr	Tyr	Gly	Cys	Leu	Arg	Asp	Arg
				455					460					465
Ala	Glu	Lys	Thr	Leu	Thr	Ile	Phe	Met	Glu	Tyr	Met	Pro	Gly	Gly
				470					475					480
Ser	Val	Lys	Asp	Gln	Leu	Lys	Ala	Tyr	Gly	Ala	Leu	Thr	Glu	Ser

Val Thr Arg Lys	485	Tyr Thr Arg Gln Ile	490	Leu Glu Gly Met Ser	495
	500		505		510
Leu His Ser Asn	Met	Ile Val His Arg	Asp	Ile Lys Gly Ala	Trp
	515		520		525
Ala Ala Leu Trp	Trp	Arg Cys			
	530				

<210> 33
 <211> 410
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523705CD1

<400> 33

Met Gly Cys Val	Phe	Cys Lys Lys	Leu Glu	Pro Val	Ala Thr	Ala
1	5		10			15
Lys Glu Asp Ala	Gly	Leu Glu Gly Asp	Phe	Arg Ser	Tyr Gly	Ala
	20		25			30
Ala Asp His Tyr	Gly	Pro Asp Pro Thr	Lys	Ala Arg	Pro Ala	Ser
	35		40			45
Ser Phe Ala His	Ile	Pro Asn Tyr Ser	Asn	Phe Ser	Ser Gln	Ala
	50		55			60
Ile Asn Pro Gly	Phe	Leu Asp Ser Gly	Thr	Ile Arg	Gly Val	Ser
	65		70			75
Gly Ile Gly Val	Thr	Leu Phe Ile Ala	Leu Tyr	Asp Tyr	Glu	Ala
	80		85			90
Arg Thr Glu Asp	Asp	Leu Thr Phe Thr	Lys Gly	Glu Lys	Phe His	
	95		100			105
Ile Leu Asn Asn	Thr	Glu Gly Asp Trp	Trp Glu	Ala Arg	Ser Leu	
	110		115			120
Ser Ser Gly Lys	Thr	Gly Cys Ile Pro	Ser Asn	Tyr Val	Ala Pro	
	125		130			135
Val Asp Ser Ile	Gln	Ala Glu Glu Trp	Tyr Phe	Gly Lys	Ile Gly	
	140		145			150
Arg Lys Asp Ala	Glu	Arg Gln Leu Leu	Ser Pro	Gly Asn	Pro Gln	
	155		160			165
Gly Ala Phe Leu	Ile	Arg Glu Ser Glu	Thr Thr	Lys Gly	Ala Tyr	
	170		175			180
Ser Leu Ser Ile	Arg	Asp Trp Asp Gln	Thr Arg	Gly Asp	His Val	
	185		190			195
Lys His Tyr Lys	Ile	Arg Lys Leu Asp	Met Gly	Gly Tyr	Tyr Ile	
	200		205			210
Thr Thr Arg Val	Gln	Phe Asn Ser Val	Gln Glu	Leu Val	Gln His	
	215		220			225
Tyr Met Glu Val	Asn	Asp Gly Leu Cys	Asn Leu	Leu Ile	Ala Pro	
	230		235			240
Cys Ala Ile Met	Lys	Pro Gln Thr Leu	Gly Leu	Ala Lys	Asp Ala	
	245		250			255
Trp Glu Ile Ser	Arg	Ser Ser Ile Thr	Leu Glu	Arg Arg	Leu Gly	
	260		265			270
Thr Gly Cys Phe	Gly	Asp Val Trp Leu	Gly Thr	Trp Asn	Gly Ser	
	275		280			285
Thr Lys Val Ala	Val	Lys Thr Leu Lys	Pro Gly	Thr Met	Ser Pro	
	290		295			300
Lys Ala Phe Leu	Glu	Glu Ala Gln Val	Met Lys	Leu Leu	Arg His	
	305		310			315
Asp Lys Leu Val	Gln	Leu Tyr Ala Val	Val Ser	Glu Glu	Pro Ile	
	320		325			330
Tyr Ile Val Thr	Glu	Phe Met Cys His	Gly Ser	Leu Leu	Asp Phe	

Leu Lys Asn Pro	335	Glu Gly Gln Asp Leu Arg	340	Leu Pro Gln Leu Val	345
Asp Met Ala Ala	350	Gln Val Pro Ser Ser	355	Pro Ser Ser Gly Gln Pro	360
Gln Lys Leu Pro	365	Ser Leu Ala Asp Ser	370	Pro Ser Ser Gln Thr Cys	375
Gly Pro Leu Gly	380	Ser Cys Ser Leu Ser	385	Ser Ser Pro Arg Ala Glu	390
Ser Pro Thr Gln	395	Ala	400		405
	410				

<210> 34

<211> 436

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523706CD1

<400> 34

Met Gly Cys Met	Lys	Ser Lys Phe Leu	Gln Val Gly Gly	Asn Thr
1	5		10	15
Phe Ser Lys Thr	Glu Thr Ser Ala	Ser Pro His Cys	Pro Val Tyr	
	20		25	30
Val Pro Asp Pro	Thr Ser Thr Ile	Lys Pro Gly Pro	Asn Ser His	
	35		40	45
Asn Ser Asn Thr	Pro Gly Ile Arg	Glu Asp Pro Gly	Ser Gly Gly	
	50		55	60
Arg Leu Asp Pro	Trp Pro Pro Gly	Arg Arg Ala Thr	Ser Gln Ala	
	65		70	75
Thr Met Ser Pro	Ala Leu Thr Leu	Trp Arg Gln Arg	Arg Ser Tyr	
	80		85	90
Ser Leu Ser Val	Arg Asp Tyr Asp	Pro Arg Gln Gly	Asp Thr Val	
	95		100	105
Lys His Tyr Lys	Ile Arg Thr Leu	Asp Asn Gly Gly	Phe Tyr Ile	
	110		115	120
Ser Pro Arg Ser	Thr Phe Ser Thr	Leu Gln Glu Leu	Val Asp His	
	125		130	135
Tyr Lys Lys Gly	Asn Asp Gly Leu	Cys Gln Lys Leu	Ser Val Pro	
	140		145	150
Cys Met Ser Ser	Lys Pro Gln Lys	Pro Trp Glu Lys	Asp Ala Trp	
	155		160	165
Glu Ile Pro Arg	Glu Ser Leu Lys	Leu Glu Lys Lys	Phe Gly Ala	
	170		175	180
Gly Gln Phe Gly	Glu Val Trp Met	Ala Thr Tyr Asn	Lys His Thr	
	185		190	195
Lys Val Ala Val	Lys Thr Met Lys	Pro Gly Ser Met	Ser Val Glu	
	200		205	210
Ala Phe Leu Ala	Glu Ala Asn Val	Met Lys Thr Leu	Gln His Asp	
	215		220	225
Lys Leu Val Lys	Leu His Ala Val	Val Thr Lys Glu	Pro Ile Tyr	
	230		235	240
Ile Ile Thr Glu	Phe Met Ala Lys	Gly Ser Leu Leu	Asp Phe Leu	
	245		250	255
Lys Ser Asp Glu	Gly Ser Lys Gln	Pro Leu Pro Lys	Leu Ile Asp	
	260		265	270
Phe Ser Ala Gln	Ile Ala Glu Gly	Met Ala Phe Ile	Glu Gln Arg	
	275		280	285
Asn Tyr Ile His	Arg Asp Leu Arg	Ala Ala Asn Ile	Leu Val Ser	
	290		295	300
Ala Ser Leu Val	Cys Lys Ile Ala	Asp Phe Gly Leu	Ala Arg Val	

Ile Glu Asp Asn	305		310		315
Glu Tyr Thr Ala Arg		Glu Gly Ala Lys Phe		Pro	
	320		325		330
Ile Lys Trp Thr	Ala	Pro Glu Ala Ile	Asn Phe Gly Ser Phe	Thr	
	335		340		345
Ile Lys Ser Asp	Val	Trp Ser Phe Gly	Ile Leu Leu Met Glu	Ile	
	350		355		360
Val Thr Tyr Gly	Arg	Ile Pro Tyr Pro	Gly Met Ser Asn Pro	Glu	
	365		370		375
Val Ile Arg Ala	Leu	Glu Arg Gly Tyr	Arg Met Pro Arg Pro	Glu	
	380		385		390
Asn Cys Pro Glu	Glu	Leu Tyr Asn Ile	Met Met Arg Cys Trp	Lys	
	395		400		405
Asn Arg Pro Glu	Glu	Arg Pro Thr Phe	Glu Tyr Ile Gln Ser	Val	
	410		415		420
Leu Asp Asp Phe	Tyr	Thr Ala Thr Glu	Ser Gln Tyr Gln Gln	Gln	
	425		430		435
Pro					

<210> 35
 <211> 643
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523707CD1

<400> 35

Met Ser Pro Phe Leu	Arg Ile Gly Leu	Ser Asn Phe Asp Cys Gly
1	5	10 15
Ser Cys Gln Ser Cys	Gln Gly Glu Ala	Val Asn Pro Tyr Cys Ala
	20	25 30
Val Leu Val Lys Glu	Tyr Val Glu Ser	Glu Asn Gly Gln Met Tyr
	35	40 45
Ile Gln Lys Lys Pro	Thr Met Tyr Pro	Pro Trp Asp Ser Thr Phe
	50	55 60
Asp Ala His Ile Asn	Lys Gly Arg Val	Met Gln Ile Ile Val Lys
	65	70 75
Gly Lys Asn Val Asp	Leu Ile Ser Glu	Thr Thr Val Glu Leu Tyr
	80	85 90
Ser Leu Ala Glu Arg	Cys Arg Lys Asn	Asn Gly Lys Thr Glu Ile
	95	100 105
Trp Leu Glu Leu Lys	Pro Gln Gly Arg	Met Leu Met Asn Ala Arg
	110	115 120
Tyr Phe Leu Glu Met	Ser Asp Thr Lys	Asp Met Asn Glu Phe Glu
	125	130 135
Thr Glu Gly Phe Phe	Ala Leu His Gln	Arg Arg Gly Ala Ile Lys
	140	145 150
Gln Ala Lys Val His	His Val Lys Cys	His Glu Phe Thr Ala Thr
	155	160 165
Phe Phe Pro Gln Pro	Thr Phe Cys Phe	Val Cys His Glu Phe Val
	170	175 180
Trp Gly Leu Asn Lys	Gln Gly Tyr Gln	Cys Arg Gln Cys Asn Ala
	185	190 195
Ala Ile His Lys Lys	Cys Ile Asp Lys	Val Ile Ala Lys Cys Thr
	200	205 210
Gly Ser Ala Ile Asn	Ser Arg Glu Thr	Met Phe His Lys Glu Arg
	215	220 225
Phe Lys Ile Asp Met	Pro His Arg Phe	Lys Val Tyr Asn Tyr Lys
	230	235 240
Ser Pro Thr Phe Cys	Glu His Cys Gly	Thr Leu Leu Trp Gly Leu

	245		250		255
Ala Arg Gln Gly	Leu Lys Cys Asp Ala	Cys Gly Met Asn Val	His		
	260		265		270
His Arg Cys Gln	Thr Lys Val Ala Asn	Leu Cys Gly Ile Asn	Gln		
	275		280		285
Lys Leu Met Ala	Glu Ala Leu Ala Met	Ile Glu Ser Thr Gln	Gln		
	290		295		300
Ala Arg Cys Leu	Arg Asp Thr Glu Gln	Ile Phe Arg Glu Gly	Pro		
	305		310		315
Val Glu Ile Gly	Leu Pro Cys Ser Ile	Lys Asn Glu Ala Arg	Leu		
	320		325		330
Pro Cys Leu Pro	Thr Pro Gly Lys Arg	Glu Pro Gln Gly Ile	Ser		
	335		340		345
Trp Glu Ser Pro	Leu Asp Glu Val Asp	Lys Met Cys His Leu	Pro		
	350		355		360
Glu Pro Glu Leu	Asn Lys Glu Arg Pro	Ser Leu Gln Ile Lys	Leu		
	365		370		375
Lys Ile Glu Asp	Phe Ile Leu His Lys	Met Leu Gly Lys Gly	Ser		
	380		385		390
Phe Gly Lys Val	Phe Leu Ala Glu Phe	Lys Lys Thr Asn Gln	Phe		
	395		400		405
Phe Ala Ile Lys	Ala Leu Lys Lys Asp	Val Val Leu Met Asp	Asp		
	410		415		420
Asp Val Glu Cys	Thr Met Val Glu Lys	Arg Val Leu Ser Leu	Ala		
	425		430		435
Trp Glu His Pro	Phe Leu Thr His Met	Phe Cys Thr Phe Gln	Thr		
	440		445		450
Lys Glu Asn Leu	Phe Phe Val Met Glu	Tyr Leu Asn Gly Gly	Asp		
	455		460		465
Leu Met Tyr His	Ile Gln Ser Cys His	Lys Phe Asp Leu Ser	Arg		
	470		475		480
Ala Thr Phe Tyr	Ala Ala Glu Ile Ile	Leu Gly Leu Gln Phe	Leu		
	485		490		495
His Ser Lys Gly	Ile Val Tyr Arg Asp	Leu Lys Leu Asp Asn	Ile		
	500		505		510
Leu Leu Asp Lys	Asp Gly His Ile Lys	Ile Ala Asp Phe Gly	Met		
	515		520		525
Cys Lys Glu Asn	Met Leu Gly Asp Ala	Lys Thr Asn Thr Phe	Cys		
	530		535		540
Gly Thr Pro Asp	Tyr Ile Ala Pro Glu	Leu Phe Val Arg Glu	Pro		
	545		550		555
Glu Lys Arg Leu	Gly Val Arg Gly Asp	Ile Arg Gln His Pro	Leu		
	560		565		570
Phe Arg Glu Ile	Asn Trp Glu Glu Leu	Glu Arg Lys Glu Ile	Asp		
	575		580		585
Pro Pro Phe Arg	Pro Lys Val Lys Ser	Pro Phe Asp Cys Ser	Asn		
	590		595		600
Phe Asp Lys Glu	Phe Leu Asn Glu Lys	Pro Arg Leu Ser Phe	Ala		
	605		610		615
Asp Arg Ala Leu	Ile Asn Ser Met Asp	Gln Asn Met Phe Arg	Asn		
	620		625		630
Phe Ser Phe Met	Asn Pro Gly Met Glu	Arg Leu Ile Ser			
	635		640		

<210> 36

<211> 556

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523719CD1

<400> 36

Met	Ala	Gly	Ala	Ser	Glu	Leu	Gly	Thr	Gly	Pro	Gly	Ala	Ala	Gly
1				5					10					15
Gly	Asp	Gly	Asp	Asp	Ser	Leu	Tyr	Pro	Ile	Ala	Val	Leu	Ile	Asp
				20					25					30
Glu	Leu	Arg	Asn	Glu	Asp	Val	Gln	Leu	Arg	Leu	Asn	Ser	Ile	Lys
				35					40					45
Lys	Leu	Ser	Thr	Ile	Ala	Leu	Ala	Leu	Gly	Val	Glu	Arg	Thr	Arg
				50					55					60
Ser	Glu	Leu	Leu	Pro	Phe	Leu	Thr	Asp	Thr	Ile	Tyr	Asp	Glu	Asp
				65					70					75
Glu	Val	Leu	Leu	Ala	Leu	Ala	Glu	Gln	Leu	Gly	Asn	Phe	Thr	Gly
				80					85					90
Leu	Val	Gly	Gly	Pro	Asp	Phe	Ala	His	Cys	Leu	Leu	Pro	Pro	Leu
				95					100					105
Glu	Asn	Leu	Ala	Thr	Val	Glu	Glu	Thr	Val	Val	Arg	Asp	Lys	Ala
				110					115					120
Val	Glu	Ser	Leu	Arg	Gln	Ile	Ser	Gln	Glu	His	Thr	Pro	Val	Ala
				125					130					135
Leu	Glu	Ala	Tyr	Phe	Val	Pro	Leu	Val	Lys	Arg	Leu	Ala	Ser	Gly
				140					145					150
Asp	Trp	Phe	Thr	Ser	Arg	Thr	Ser	Ala	Cys	Gly	Leu	Phe	Ser	Val
				155					160					165
Cys	Tyr	Pro	Arg	Ala	Ser	Asn	Ala	Val	Lys	Ala	Glu	Ile	Arg	Gln
				170					175					180
Gln	Phe	Arg	Ser	Leu	Cys	Ser	Asp	Asp	Thr	Pro	Met	Val	Arg	Arg
				185					190					195
Ala	Ala	Ala	Ser	Lys	Leu	Gly	Glu	Phe	Ala	Lys	Val	Leu	Glu	Leu
				200					205					210
Asp	Ser	Val	Lys	Ser	Glu	Ile	Val	Pro	Leu	Phe	Thr	Ser	Leu	Ala
				215					220					225
Ser	Asp	Glu	Gln	Asp	Ser	Val	Arg	Leu	Leu	Ala	Val	Glu	Ala	Cys
				230					235					240
Val	Ser	Ile	Ala	Gln	Leu	Leu	Ser	Gln	Asp	Asp	Leu	Glu	Thr	Leu
				245					250					255
Val	Met	Pro	Thr	Leu	Arg	Gln	Ala	Ala	Glu	Asp	Lys	Ser	Trp	Arg
				260					265					270
Val	Arg	Tyr	Met	Val	Ala	Asp	Arg	Phe	Ser	Glu	Leu	Gln	Lys	Ala
				275					280					285
Met	Gly	Pro	Lys	Ile	Thr	Leu	Asn	Asp	Leu	Ile	Pro	Ala	Phe	Gln
				290					295					300
Asn	Leu	Leu	Lys	Asp	Cys	Glu	Ala	Glu	Val	Arg	Ala	Ala	Ala	Ala
				305					310					315
His	Lys	Val	Lys	Glu	Leu	Gly	Glu	Asn	Leu	Pro	Ile	Glu	Asp	Arg
				320					325					330
Glu	Thr	Ile	Ile	Met	Asn	Gln	Ile	Leu	Pro	Tyr	Ile	Lys	Cys	Pro
				335					340					345
Asp	Val	Arg	Leu	Asn	Ile	Ile	Ser	Asn	Leu	Asp	Cys	Val	Asn	Glu
				350					355					360
Val	Ile	Gly	Ile	Arg	Gln	Leu	Ser	Gln	Pro	Leu	Leu	Pro	Ala	Ile
				365					370					375
Val	Glu	Leu	Ala	Glu	Asp	Ala	Lys	Trp	Arg	Val	Arg	Leu	Ala	Ile
				380					385					390
Ile	Glu	Tyr	Met	Pro	Leu	Leu	Ala	Gly	Gln	Leu	Gly	Val	Glu	Phe
				395					400					405
Phe	Asp	Glu	Lys	Leu	Asn	Ser	Leu	Cys	Met	Ala	Trp	Leu	Val	Asp
				410					415					420
His	Val	Tyr	Ala	Ile	Arg	Glu	Ala	Ala	Thr	Asn	Asn	Leu	Met	Lys
				425					430					435
Leu	Val	Gln	Lys	Phe	Gly	Thr	Glu	Trp	Ala	Gln	Asn	Thr	Ile	Val
				440					445					450
Pro	Lys	Val	Leu	Val	Met	Ala	Asn	Asp	Pro	Asn	Tyr	Leu	His	Arg
				455					460					465

Met	Thr	Thr	Leu	Phe	Cys	Ile	Asn	Ala	Leu	Ser	Glu	Ala	Cys	Gly
				470					475					480
Gln	Glu	Ile	Thr	Thr	Lys	Gln	Met	Leu	Pro	Ile	Val	Leu	Lys	Met
				485					490					495
Ala	Gly	Asp	Gln	Val	Ala	Asn	Val	Arg	Phe	Asn	Val	Ala	Lys	Ser
				500					505					510
Leu	Gln	Lys	Ile	Gly	Pro	Ile	Leu	Asp	Thr	Asn	Ala	Leu	Gln	Gly
				515					520					525
Glu	Val	Lys	Pro	Val	Leu	Gln	Lys	Leu	Gly	Gln	Asp	Glu	Asp	Val
				530					535					540
Asp	Val	Lys	Tyr	Phe	Ala	Gln	Glu	Ala	Ile	Ser	Val	Leu	Ala	Leu
				545					550					555
Ala														

<210> 37

<211> 728

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523720CD1

<400> 37

Met	Pro	Leu	Ala	Ala	Tyr	Cys	Tyr	Leu	Arg	Val	Val	Gly	Lys	Gly
1				5					10					15
Ser	Tyr	Gly	Glu	Val	Thr	Leu	Val	Lys	His	Arg	Arg	Asp	Gly	Lys
				20					25					30
Gln	Tyr	Val	Ile	Lys	Lys	Leu	Asn	Leu	Arg	Asn	Ala	Ser	Ser	Arg
				35					40					45
Glu	Arg	Arg	Ala	Ala	Glu	Gln	Glu	Ala	Gln	Leu	Leu	Ser	Gln	Leu
				50					55					60
Lys	His	Pro	Asn	Ile	Val	Thr	Tyr	Lys	Glu	Ser	Trp	Glu	Gly	Gly
				65					70					75
Asp	Gly	Leu	Leu	Tyr	Ile	Val	Met	Gly	Phe	Cys	Glu	Gly	Gly	Asp
				80					85					90
Leu	Tyr	Arg	Lys	Leu	Lys	Glu	Gln	Lys	Gly	Gln	Leu	Leu	Pro	Glu
				95					100					105
Asn	Gln	Val	Val	Glu	Trp	Phe	Val	Gln	Ile	Ala	Met	Ala	Leu	Gln
				110					115					120
Cys	Leu	His	Glu	Lys	His	Ile	Leu	His	Arg	Asp	Leu	Lys	Thr	Gln
				125					130					135
Asn	Val	Phe	Leu	Thr	Arg	Thr	Ser	Ile	Ile	Lys	Val	Gly	Asp	Leu
				140					145					150
Gly	Ile	Ala	Arg	Val	Leu	Glu	Asn	His	Cys	Asp	Met	Ala	Ser	Thr
				155					160					165
Leu	Ile	Gly	Thr	Pro	Tyr	Tyr	Met	Ser	Pro	Glu	Leu	Phe	Ser	Asn
				170					175					180
Lys	Pro	Tyr	Asn	Tyr	Lys	Ser	Asp	Val	Trp	Ala	Leu	Gly	Cys	Cys
				185					190					195
Val	Tyr	Glu	Met	Ala	Thr	Leu	Lys	His	Ala	Phe	Asn	Ala	Lys	Asp
				200					205					210
Met	Asn	Ser	Leu	Val	Tyr	Arg	Ile	Ile	Glu	Gly	Lys	Leu	Pro	Pro
				215					220					225
Met	Pro	Arg	Asp	Tyr	Ser	Pro	Glu	Leu	Ala	Glu	Leu	Ile	Arg	Thr
				230					235					240
Met	Leu	Ser	Lys	Arg	Pro	Glu	Glu	Arg	Pro	Ser	Val	Arg	Ser	Ile
				245					250					255
Leu	Arg	Gln	Pro	Tyr	Ile	Lys	Arg	Gln	Ile	Ser	Phe	Phe	Leu	Glu
				260					265					270
Ala	Thr	Lys	Ile	Lys	Thr	Ser	Lys	Asn	Asn	Ile	Lys	Asn	Gly	Asp
				275					280					285

Ser	Gln	Ser	Lys	Pro	Phe	Ala	Thr	Val	Val	Ser	Gly	Glu	Ala	Glu
				290					295					300
Ser	Asn	His	Glu	Val	Ile	His	Pro	Gln	Pro	Leu	Ser	Ser	Glu	Gly
				305					310					315
Ser	Gln	Thr	Tyr	Ile	Met	Gly	Glu	Gly	Lys	Cys	Leu	Ser	Gln	Glu
				320					325					330
Lys	Pro	Arg	Ala	Ser	Gly	Leu	Leu	Lys	Ser	Pro	Ala	Ser	Leu	Lys
				335					340					345
Ala	His	Thr	Cys	Lys	Gln	Asp	Leu	Ser	Asn	Thr	Thr	Glu	Leu	Ala
				350					355					360
Thr	Ile	Ser	Ser	Val	Asn	Ile	Asp	Ile	Leu	Pro	Ala	Lys	Gly	Arg
				365					370					375
Asp	Ser	Val	Ser	Asp	Gly	Phe	Val	Gln	Glu	Asn	Gln	Pro	Arg	Tyr
				380					385					390
Leu	Asp	Ala	Ser	Asn	Glu	Leu	Gly	Gly	Ile	Cys	Ser	Ile	Ser	Gln
				395					400					405
Val	Glu	Glu	Glu	Met	Leu	Gln	Asp	Asn	Thr	Lys	Ser	Ser	Ala	Gln
				410					415					420
Pro	Glu	Asn	Leu	Ile	Pro	Met	Trp	Ser	Ser	Asp	Ile	Val	Thr	Gly
				425					430					435
Glu	Lys	Asn	Glu	Pro	Val	Lys	Pro	Leu	Gln	Pro	Leu	Ile	Lys	Glu
				440					445					450
Gln	Lys	Pro	Lys	Asp	Gln	Asp	Gln	Val	Ala	Gly	Glu	Cys	Ile	Ile
				455					460					465
Glu	Lys	Gln	Gly	Arg	Ile	His	Pro	Asp	Leu	Gln	Pro	His	Asn	Ser
				470					475					480
Gly	Ser	Glu	Pro	Ser	Leu	Ser	Arg	Gln	Arg	Arg	Gln	Lys	Arg	Arg
				485					490					495
Glu	Gln	Thr	Glu	His	Arg	Gly	Glu	Lys	Arg	Gln	Val	Arg	Arg	Asp
				500					505					510
Leu	Phe	Ala	Phe	Gln	Glu	Ser	Pro	Pro	Arg	Phe	Leu	Pro	Ser	His
				515					520					525
Pro	Ile	Val	Gly	Lys	Val	Asp	Val	Thr	Ser	Thr	Gln	Lys	Glu	Ala
				530					535					540
Glu	Asn	Gln	Arg	Arg	Val	Val	Thr	Gly	Ser	Val	Ser	Ser	Ser	Arg
				545					550					555
Ser	Ser	Glu	Met	Ser	Ser	Ser	Lys	Asp	Arg	Pro	Leu	Ser	Ala	Arg
				560					565					570
Glu	Arg	Arg	Arg	Leu	Lys	Gln	Ser	Gln	Glu	Glu	Met	Ser	Ser	Ser
				575					580					585
Gly	Pro	Ser	Val	Arg	Lys	Ala	Ser	Leu	Ser	Val	Ala	Gly	Pro	Gly
				590					595					600
Lys	Pro	Gln	Glu	Glu	Asp	Gln	Pro	Leu	Pro	Ala	Arg	Arg	Leu	Ser
				605					610					615
Ser	Asp	Cys	Ser	Val	Thr	Gln	Glu	Arg	Lys	Gln	Ile	His	Cys	Leu
				620					625					630
Ser	Glu	Asp	Glu	Leu	Ser	Ser	Ser	Thr	Ser	Ser	Thr	Asp	Lys	Ser
				635					640					645
Asp	Gly	Asp	Tyr	Gly	Glu	Gly	Lys	Gly	Gln	Thr	Asn	Glu	Ile	Asn
				650					655					660
Ala	Leu	Val	Gln	Leu	Met	Thr	Gln	Thr	Leu	Lys	Leu	Asp	Ser	Lys
				665					670					675
Glu	Ser	Cys	Glu	Asp	Val	Pro	Val	Ala	Asn	Pro	Val	Ser	Glu	Phe
				680					685					690
Lys	Leu	His	Arg	Lys	Tyr	Arg	Asp	Thr	Leu	Ile	Leu	His	Gly	Lys
				695					700					705
Val	Ala	Glu	Glu	Ala	Glu	Glu	Ile	His	Phe	Lys	Glu	Leu	Pro	Ser
				710					715					720
Gly	Thr	Phe	Ala	Gly	Ala	His	Gly							
				725										

<210> 38

<211> 646

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523737CD1

<400> 38

Met	Gln	Ser	Thr	Ala	Asn	Tyr	Leu	Trp	His	Thr	Asp	Asp	Leu	Leu	1	5	10	15
Gly	Gln	Gly	Ala	Thr	Ala	Ser	Val	Tyr	Lys	Ala	Arg	Asn	Lys	Lys	20	25	30	35
Ser	Gly	Glu	Leu	Val	Ala	Val	Lys	Val	Phe	Asn	Thr	Thr	Ser	Tyr	40	45	50	55
Leu	Arg	Pro	Arg	Glu	Val	Gln	Val	Arg	Glu	Phe	Glu	Val	Leu	Arg	60	65	70	75
Lys	Leu	Asn	His	Gln	Asn	Ile	Val	Lys	Leu	Phe	Ala	Val	Glu	Glu	80	85	90	95
Thr	Gly	Gly	Ser	Arg	Gln	Lys	Val	Leu	Val	Met	Glu	Tyr	Cys	Ser	100	105	110	115
Ser	Gly	Ser	Leu	Leu	Ser	Val	Leu	Glu	Ser	Pro	Glu	Asn	Ala	Phe	120	125	130	135
Gly	Leu	Pro	Glu	Asp	Glu	Phe	Leu	Val	Val	Leu	Arg	Cys	Val	Val	140	145	150	155
Ala	Gly	Met	Asn	His	Leu	Arg	Glu	Asn	Gly	Ile	Val	His	Arg	Asp	160	165	170	175
Ile	Lys	Pro	Gly	Asn	Ile	Met	Arg	Leu	Val	Gly	Glu	Glu	Gly	Gln	180	185	190	195
Ser	Ile	Tyr	Lys	Leu	Thr	Asp	Phe	Gly	Ala	Ala	Arg	Glu	Leu	Asp	200	205	210	215
Asp	Asp	Glu	Lys	Phe	Val	Ser	Val	Tyr	Gly	Thr	Glu	Glu	Tyr	Leu	220	225	230	235
His	Pro	Asp	Met	Tyr	Glu	Arg	Ala	Val	Leu	Arg	Lys	Pro	Gln	Gln	240	245	250	255
Lys	Ala	Phe	Gly	Val	Thr	Val	Asp	Leu	Trp	Ser	Ile	Gly	Val	Thr	260	265	270	275
Leu	Tyr	His	Ala	Ala	Thr	Gly	Ser	Leu	Pro	Phe	Ile	Pro	Phe	Gly	280	285	290	295
Gly	Pro	Arg	Arg	Asn	Lys	Glu	Ile	Met	Tyr	Arg	Ile	Thr	Thr	Glu	300	305	310	315
Lys	Pro	Ala	Gly	Ala	Ile	Ala	Gly	Ala	Gln	Arg	Arg	Glu	Asn	Gly	320	325	330	335
Pro	Leu	Glu	Trp	Ser	Tyr	Thr	Leu	Pro	Ile	Thr	Cys	Gln	Leu	Ser	340	345	350	355
Leu	Gly	Leu	Gln	Ser	Gln	Leu	Val	Pro	Ile	Leu	Ala	Asn	Ile	Leu	360	365	370	375
Glu	Val	Glu	Gln	Ala	Lys	Cys	Trp	Gly	Phe	Asp	Gln	Phe	Phe	Ala	380	385	390	395
Glu	Thr	Ser	Asp	Ile	Leu	Gln	Arg	Val	Val	Val	His	Val	Phe	Ser	400	405	410	415
Leu	Ser	Gln	Ala	Val	Leu	His	His	Ile	Tyr	Ile	His	Ala	His	Asn	420	425	430	435
Thr	Ile	Ala	Ile	Phe	Gln	Glu	Ala	Val	His	Lys	Gln	Thr	Ser	Val	440	445	450	455
Ala	Pro	Arg	His	Gln	Glu	Tyr	Leu	Phe	Glu	Gly	His	Leu	Cys	Val	460	465	470	475
Leu	Glu	Pro	Ser	Val	Ser	Ala	Gln	His	Ile	Ala	His	Thr	Thr	Ala	480	485	490	495
Ser	Ser	Pro	Leu	Thr	Leu	Phe	Ser	Thr	Ala	Ile	Pro	Lys	Gly	Leu	500	505	510	515
Ala	Phe	Arg	Asp	Pro	Ala	Leu	Asp	Val	Pro	Lys	Phe	Val	Pro	Lys	520	525	530	535
Val	Asp	Leu	Gln	Ala	Asp	Tyr	Asn	Thr	Ala	Lys	Gly	Val	Leu	Gly	540	545	550	555

	410		415		420
Ala Gly Tyr Gln	Ala Leu Arg Leu Ala	Arg Ala Leu Leu Asp	Gly		
	425		430		435
Gln Glu Leu Met	Phe Arg Gly Leu His	Trp Val Met Glu Val	Leu		
	440		445		450
Gln Ala Thr Cys	Arg Arg Thr Leu Glu	Val Ala Arg Thr Ser	Leu		
	455		460		465
Leu Tyr Leu Ser	Ser Ser Leu Gly Thr	Glu Arg Phe Ser Ser	Val		
	470		475		480
Ala Gly Thr Pro	Glu Ile Gln Glu Leu	Lys Ala Ala Ala Glu	Leu		
	485		490		495
Arg Ser Arg Leu	Arg Thr Leu Ala Glu	Val Leu Ser Arg Cys	Ser		
	500		505		510
Gln Asn Ile Thr	Glu Thr Gln Glu Ser	Leu Ser Ser Leu Asn	Arg		
	515		520		525
Glu Leu Val Lys	Ser Arg Asp Gln Val	His Glu Asp Arg Ser	Ile		
	530		535		540
Gln Gln Ile Gln	Cys Cys Leu Asp Lys	Met Asn Phe Ile Tyr	Lys		
	545		550		555
Gln Phe Lys Lys	Ser Arg Met Arg Pro	Gly Leu Gly Tyr Asn	Glu		
	560		565		570
Glu Gln Ile His	Lys Leu Asp Lys Val	Asn Phe Ser His Leu	Ala		
	575		580		585
Lys Arg Leu Leu	Gln Val Phe Gln Glu	Glu Cys Val Gln Lys	Tyr		
	590		595		600
Gln Ala Ser Leu	Val Thr His Gly Lys	Arg Met Ser Met Gln	Glu		
	605		610		615
Leu Cys Glu Gly	Met Lys Leu Leu Ala	Ser Asp Leu Leu Asp	Asn		
	620		625		630
Asn Arg Ile Ile	Glu Arg Leu Asn Arg	Val Pro Ala Pro Pro	Asp		
	635		640		645
Val					

<210> 39

<211> 385

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523742CD1

<400> 39

Met Ala Gly Asn Cys	Gly Ala Arg Gly Ala	Leu Ser Ala His Thr
1	5	10
Leu Leu Phe Asp Leu	Pro Pro Ala Leu Leu	Gly Glu Leu Cys Ala
	20	25
Val Leu Asp Ser Cys	Asp Gly Ala Leu Gly	Trp Arg Gly Leu Gly
	35	40
Ala Val Leu Ser Pro	Ser Glu Lys Ser Tyr	Gln Glu Gly Gly Phe
	50	55
Pro Asn Ile Leu Phe	Lys Glu Thr Ala Asn	Val Thr Val Asp Asn
	65	70
Val Leu Ile Pro Glu	His Asn Glu Lys Gly	Val Leu Leu Lys Ser
	80	85
Ser Ile Ser Phe Gln	Asn Ile Ile Glu Gly	Thr Arg Asn Phe His
	95	100
Lys Asp Phe Leu Ile	Gly Glu Gly Glu Ile	Phe Glu Val Tyr Arg
	110	115
Val Glu Ile Gln Asn	Leu Thr Tyr Ala Val	Lys Leu Phe Lys Gln
	125	130
Glu Lys Lys Met Gln	Cys Lys Lys His Trp	Lys Arg Phe Leu Ser

	140		145		150
Glu Leu Glu Val	Leu Leu Phe His	His Pro Asn Ile Leu	Glu		
	155		160		165
Leu Ala Ala Tyr	Phe Thr Glu Thr Glu	Lys Phe Cys Leu Ile	Tyr		
	170		175		180
Pro Tyr Met Arg	Asn Gly Thr Leu Phe	Gly Arg Leu Gln Cys	Val		
	185		190		195
Gly Asp Thr Ala	Pro Leu Pro Trp His	Ile Arg Ile Gly Ile	Leu		
	200		205		210
Ile Gly Ile Ser	Lys Ala Ile His Tyr	Leu His Asn Val Gln	Pro		
	215		220		225
Cys Ser Val Ile	Cys Gly Ser Ile Ser	Ser Ala Asn Ile Leu	Leu		
	230		235		240
Asp Asp Gln Phe	Gln Pro Lys Leu Thr	Asp Phe Ala Met Ala	His		
	245		250		255
Phe Arg Ser His	Leu Glu His Gln Ser	Cys Thr Ile Asn Met	Thr		
	260		265		270
Ser Ser Ser Ser	Lys His Leu Trp Tyr	Met Pro Glu Glu Tyr	Ile		
	275		280		285
Arg Gln Gly Lys	Leu Ser Ile Lys Thr	Asp Val Tyr Ser Phe	Gly		
	290		295		300
Ile Val Ile Met	Glu Val Leu Thr Gly	Cys Arg Val Val Leu	Asp		
	305		310		315
Asp Pro Lys His	Ile Gln Leu Arg Asp	Leu Leu Arg Glu Leu	Met		
	320		325		330
Glu Lys Arg Gly	Leu Asp Ser Cys Leu	Ser Phe Leu Asp Lys	Lys		
	335		340		345
Val Pro Pro Cys	Pro Arg Asn Phe Ser	Ala Glu Leu Phe Cys	Leu		
	350		355		360
Ala Gly Arg Cys	Ala Ala Thr Arg Ala	Lys Leu Arg Pro Ser	Met		
	365		370		375
Asp Glu Val Leu	Asn Thr Leu Glu Ser	Thr			
	380		385		

<210> 40

<211> 469

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523743CD1

<400> 40

Met Ala Gly Ala Ser	Glu Leu Gly Thr Gly	Pro Gly Ala Ala Gly
1	5	10
		15
Gly Asp Gly Asp Asp	Ser Leu Tyr Pro Ile	Ala Val Leu Ile Asp
	20	25
		30
Glu Leu Arg Asn Glu	Asp Val Gln Leu Arg	Leu Asn Ser Ile Lys
	35	40
		45
Lys Leu Ser Thr Ile	Ala Leu Ala Leu Gly	Val Glu Arg Thr Arg
	50	55
		60
Ser Glu Leu Leu Pro	Phe Leu Thr Asp Thr	Ile Tyr Asp Glu Asp
	65	70
		75
Glu Val Leu Leu Ala	Leu Ala Glu Gln Leu	Gly Asn Phe Thr Gly
	80	85
		90
Leu Val Gly Gly Pro	Asp Phe Ala His Cys	Leu Leu Pro Pro Leu
	95	100
		105
Glu Asn Leu Ala Thr	Val Glu Glu Thr Val	Val Arg Asp Lys Ala
	110	115
		120
Val Glu Ser Leu Arg	Gln Ile Ser Gln Glu	His Thr Pro Val Ala
	125	130
		135
Leu Glu Ala Tyr Phe	Val Pro Leu Val Lys	Arg Leu Ala Ser Gly

Asp Trp Phe Thr	140	145	150
Ser Arg Thr Ser Ala Cys Gly Leu Phe Ser	155	160	165
Cys Tyr Pro Arg Ala Ser Asn Ala Val Lys Ala Glu Ile Arg Gln	170	175	180
Gln Phe Arg Ser Leu Cys Ser Asp Asp Thr Pro Met Val Arg Arg	185	190	195
Ala Ala Ala Ser Lys Leu Gly Glu Phe Ala Lys Val Leu Glu Leu	200	205	210
Asp Ser Val Lys Ser Glu Ile Val Pro Leu Phe Thr Ser Leu Ala	215	220	225
Ser Asp Glu Gln Asp Ser Val Arg Leu Leu Ala Val Glu Ala Cys	230	235	240
Val Ser Ile Ala Gln Leu Leu Ser Gln Asp Asp Leu Glu Thr Leu	245	250	255
Val Met Pro Thr Leu Arg Gln Ala Ala Glu Asp Lys Ser Trp Arg	260	265	270
Val Arg Tyr Met Val Ala Asp Arg Phe Ser Glu Leu Gln Lys Ala	275	280	285
Met Gly Pro Lys Ile Thr Leu Asn Asp Leu Ile Pro Ala Phe Gln	290	295	300
Asn Leu Leu Lys Asp Cys Glu Ala Glu Val Arg Ala Ala Ala Ala	305	310	315
His Lys Val Lys Glu Leu Gly Glu Asn Leu Pro Ile Glu Asp Arg	320	325	330
Glu Thr Ile Ile Met Asn Gln Ile Leu Pro Tyr Ile Lys Glu Leu	335	340	345
Val Ser Asp Thr Asn Gln His Val Lys Ser Ala Leu Ala Ser Val	350	355	360
Ile Met Gly Leu Ser Thr Ile Leu Gly Lys Glu Asn Thr Ile Glu	365	370	375
His Leu Leu Pro Leu Phe Leu Ala Gln Leu Lys Asp Glu Cys Pro	380	385	390
Asp Val Arg Leu Asn Ile Ile Ser Asn Leu Asp Cys Val Asn Glu	395	400	405
Val Ile Gly Ile Arg Gln Leu Ser Gln Ser Leu Pro Pro Ala Ile	410	415	420
Val Glu Leu Ala Glu Asp Ala Lys Trp Arg Val Arg Leu Ala Ile	425	430	435
Ile Glu Tyr Met Pro Leu Leu Ala Gly Gln Leu Gly Val Glu Phe	440	445	450
Phe Asp Glu Lys Leu Asn Ser Leu Cys Met Ala Trp Leu Val Asp	455	460	465
His Gly Thr Val			

<210> 41

<211> 147

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523745CD1

<400> 41

Met Gly Cys Val Phe Cys Lys Lys Leu Glu Pro Val Ala Thr Ala	1	5	10	15
Lys Glu Asp Ala Gly Leu Glu Gly Asp Phe Arg Ser Tyr Gly Ala	20	25	30	35
Ala Asp His Tyr Gly Pro Asp Pro Thr Lys Ala Arg Pro Ala Ser	40	45	50	55
Ser Phe Ala His Ile Pro Asn Tyr Ser Asn Phe Ser Ser Gln Ala	60	65	70	75

	50		55		60
Ile Asn Pro Gly Phe	Leu Asp Ser Gly Thr	Ile Arg Gly Val Ser			
65	70	75			
Gly Ile Gly Val Thr	Leu Phe Ile Ala Leu	Tyr Asp Tyr Glu Ala			
80	85	90			
Arg Thr Glu Asp Asp	Leu Thr Phe Thr Lys	Gly Glu Lys Phe His			
95	100	105			
Ile Leu Asn Asn Thr	Glu Gly Asp Trp Trp	Glu Ala Arg Ser Leu			
110	115	120			
Ser Ser Gly Lys Thr	Gly Cys Ile Pro Ser	Asn Tyr Val Ala Pro			
125	130	135			
Val Asp Ser Ile Gln	Ala Glu Asp Tyr Ile	Asp Gly			
140	145				

<210> 42
 <211> 145
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523757CD1

<400> 42	
Met Glu Leu Arg Asp	Val Ser Leu Gln Asp Pro Arg Asp Arg Phe
1	5 10 15
Glu Leu Leu Gln Arg	Val Gly Ala Gly Thr Tyr Gly Asp Val Tyr
20	25 30
Lys Ala Arg Asp Thr	Val Thr Ser Glu Leu Ala Ala Val Lys Ile
35	40 45
Val Lys Leu Asp Pro	Gly Asp Asp Ile Ser Ser Leu Gln Gln Glu
50	55 60
Ile Thr Ile Leu Arg	Glu Cys Arg His Pro Asn Val Val Ala Tyr
65	70 75
Ile Gly Ser Tyr Leu	Arg Asn Asp Arg Leu Trp Ile Cys Met Glu
80	85 90
Phe Cys Gly Gly Gly	Ser Leu Gln Glu Ile Tyr His Ala Thr Gly
95	100 105
Pro Leu Glu Glu Arg	Gln Ile Ala Tyr Val Cys Arg Glu Ala Leu
110	115 120
Lys Gly Leu His His	Leu His Ser Gln Gly Lys Ile His Arg Asp
125	130 135
Ile Lys Leu Thr Leu	Gly Cys Gln Ala Ser
140	145

<210> 43
 <211> 653
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523770CD1

<400> 43	
Met Asp Glu Gln Glu	Ala Leu Asn Ser Ile Met Asn Asp Leu Val
1	5 10 15
Ala Leu Gln Met Asn	Arg Arg His Arg Met Pro Gly Tyr Glu Thr
20	25 30
Met Lys Asn Lys Asp	Thr Gly His Ser Asn Arg Gln Lys Lys His
35	40 45
Asn Ser Ser Ser Ser	Ala Leu Leu Asn Ser Pro Thr Val Thr Thr
50	55 60

Ser	Ser	Cys	Ala	Gly	Ala	Ser	Glu	Lys	Lys	Lys	Phe	Leu	Ser	Asp
				65					70					75
Val	Arg	Ile	Lys	Phe	Glu	His	Asn	Gly	Glu	Arg	Arg	Ile	Ile	Ala
				80					85					90
Phe	Ser	Arg	Pro	Val	Lys	Tyr	Glu	Asp	Val	Glu	His	Lys	Val	Thr
				95					100					105
Thr	Val	Phe	Gly	Gln	Pro	Leu	Asp	Leu	His	Tyr	Met	Asn	Asn	Glu
				110					115					120
Leu	Ser	Ile	Leu	Leu	Lys	Asn	Gln	Asp	Asp	Leu	Asp	Lys	Ala	Ile
				125					130					135
Asp	Ile	Leu	Asp	Arg	Ser	Ser	Ser	Met	Lys	Ser	Leu	Arg	Ile	Leu
				140					145					150
Leu	Leu	Ser	Gln	Asp	Arg	Asn	His	Asn	Ser	Ser	Ser	Pro	His	Ser
				155					160					165
Gly	Val	Ser	Arg	Gln	Val	Arg	Ile	Lys	Ala	Ser	Gln	Ser	Ala	Gly
				170					175					180
Asp	Ile	Asn	Thr	Ile	Tyr	Gln	Pro	Pro	Glu	Pro	Arg	Ser	Arg	His
				185					190					195
Leu	Ser	Val	Ser	Ser	Gln	Asn	Pro	Gly	Arg	Ser	Ser	Pro	Pro	Pro
				200					205					210
Gly	Tyr	Val	Pro	Glu	Arg	Gln	Gln	His	Ile	Ala	Arg	Gln	Gly	Ser
				215					220					225
Tyr	Thr	Ser	Ile	Asn	Ser	Glu	Gly	Glu	Phe	Ile	Pro	Glu	Thr	Ser
				230					235					240
Glu	Gln	Cys	Met	Leu	Asp	Pro	Leu	Ser	Ser	Ala	Glu	Asn	Ser	Leu
				245					250					255
Ser	Gly	Ser	Cys	Gln	Ser	Leu	Asp	Ser	Pro	Ser	Phe	Arg	Lys	Ser
				260					265					270
Arg	Met	Ser	Arg	Ala	Gln	Ser	Phe	Pro	Asp	Asn	Arg	Gln	Glu	Tyr
				275					280					285
Ser	Asp	Arg	Glu	Thr	Gln	Leu	Tyr	Asp	Lys	Gly	Val	Lys	Gly	Gly
				290					295					300
Thr	Tyr	Pro	Arg	Arg	Tyr	His	Val	Ser	Val	His	His	Lys	Asp	Tyr
				305					310					315
Ser	Asp	Gly	Arg	Arg	Thr	Phe	Pro	Arg	Ile	Arg	Arg	His	Gln	Gly
				320					325					330
Asn	Leu	Phe	Thr	Leu	Val	Pro	Ser	Ser	Arg	Ser	Leu	Ser	Thr	Asn
				335					340					345
Gly	Glu	Asn	Met	Gly	Leu	Ala	Val	Gln	Tyr	Leu	Asp	Pro	Arg	Gly
				350					355					360
Arg	Leu	Arg	Ser	Ala	Asp	Ser	Glu	Asn	Ala	Leu	Ser	Val	Gln	Glu
				365					370					375
Arg	Asn	Val	Pro	Thr	Lys	Ser	Pro	Ser	Ala	Pro	Ile	Asn	Trp	Arg
				380					385					390
Arg	Gly	Lys	Leu	Leu	Gly	Gln	Gly	Ala	Phe	Gly	Arg	Val	Tyr	Leu
				395					400					405
Cys	Tyr	Asp	Val	Asp	Thr	Gly	Arg	Glu	Leu	Ala	Ser	Lys	Gln	Val
				410					415					420
Gln	Phe	Asp	Pro	Asp	Ser	Pro	Glu	Thr	Ser	Lys	Glu	Val	Ser	Ala
				425					430					435
Leu	Glu	Cys	Glu	Ile	Gln	Leu	Leu	Lys	Asn	Leu	Gln	His	Glu	Arg
				440					445					450
Ile	Val	Gln	Tyr	Tyr	Gly	Cys	Leu	Arg	Asp	Arg	Ala	Glu	Lys	Thr
				455					460					465
Leu	Thr	Ile	Phe	Met	Glu	Tyr	Met	Pro	Gly	Gly	Ser	Val	Lys	Asp
				470					475					480
Gln	Leu	Lys	Ala	Tyr	Gly	Ala	Leu	Thr	Glu	Ser	Val	Thr	Arg	Lys
				485					490					495
Tyr	Thr	Arg	Gln	Ile	Leu	Glu	Gly	Met	Ser	Tyr	Leu	His	Ser	Asn
				500					505					510
Met	Ile	Val	His	Arg	Asp	Ile	Lys	Gly	Ala	Asn	Ile	Leu	Arg	Asp
				515					520					525
Ser	Ala	Gly	Asn	Val	Lys	Leu	Gly	Asp	Phe	Gly	Ala	Ser	Lys	Arg

Leu Gln Thr Ile	530	Cys Met Ser Gly Thr	535	Gly Met Arg Ser Val	540
	545		550		555
Gly Thr Pro Tyr	560	Trp Met Ser Pro Glu	565	Val Ile Ser Gly Glu	570
Tyr Gly Arg Lys	575	Ala Asp Val Trp Ser	580	Leu Gly Cys Thr Val	585
Glu Met Leu Thr	590	Glu Lys Pro Pro Trp	595	Ala Glu Tyr Glu Ala	600
Ala Ala Ile Phe	605	Lys Ile Ala Thr Gln	610	Pro Thr Asn Pro Gln	615
Pro Ser His Ile	620	Ser Glu His Gly Arg	625	Asp Phe Leu Arg Arg	630
Phe Val Glu Ala	635	Arg Gln Arg Pro Ser	640	Ala Glu Glu Leu Leu	645
His His Phe Ala	650	Gln Leu Met Tyr			

<210> 44

<211> 706

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523919CD1

<400> 44

Met Pro Leu Ala Ala	1	Tyr Cys Tyr Leu Arg	10	Val Val Gly Lys Gly	15
Ser Tyr Gly Glu Val	20	Thr Leu Val Lys His	25	Arg Arg Asp Gly Lys	30
Gln Tyr Leu His Glu	35	Lys His Ile Leu His	40	Arg Asp Leu Lys Thr	45
Gln Asn Val Phe Leu	50	Thr Arg Thr Asn Ile	55	Ile Lys Val Gly Asp	60
Leu Gly Ile Ala Arg	65	Val Leu Glu Asn His	70	Cys Asp Met Ala Ser	75
Thr Leu Ile Gly Thr	80	Pro Tyr Tyr Met Ser	85	Pro Glu Leu Phe Ser	90
Asn Lys Pro Tyr Asn	95	Tyr Lys Ser Asp Val	100	Trp Ala Leu Gly Cys	105
Cys Val Tyr Glu Met	110	Ala Thr Leu Lys His	115	Ala Phe Asn Ala Lys	120
Asp Met Asn Ser Leu	125	Val Tyr Arg Ile Ile	130	Glu Gly Lys Leu Pro	135
Ala Met Pro Arg Asp	140	Tyr Ser Pro Glu Leu	145	Ala Glu Leu Ile Arg	150
Thr Met Leu Ser Lys	155	Arg Pro Glu Glu Arg	160	Pro Ser Val Arg Ser	165
Ile Leu Arg Gln Pro	170	Tyr Ile Lys Arg Gln	175	Ile Ser Phe Phe Leu	180
Glu Ala Thr Lys Ile	185	Lys Thr Ser Lys Asn	190	Asn Ile Lys Asn Gly	195
Asp Ser Gln Ser Lys	200	Pro Phe Ala Thr Val	205	Val Ser Gly Glu Ala	210
Glu Ser Asn His Glu	215	Val Ile His Pro Gln	220	Pro Leu Ser Ser Glu	225
Gly Ser Gln Thr Tyr	230	Ile Met Gly Glu Gly	235	Lys Cys Leu Ser Gln	240
Glu Lys Pro Arg Ala	245	Ser Gly Leu Leu Lys	250	Ser Pro Ala Ser Leu	255
Lys Ala His Thr Cys		Lys Gln Asp Leu Ser		Asn Thr Thr Glu Leu	

Ala Thr Ile Ser	260	Val Asn Ile Asp	265	Ile Leu Pro Ala Lys	270
Arg Asp Ser Val	275	Asp Gly Phe Val	280	Gln Glu Asn Gln Pro	285
Tyr Leu Asp Ala	290	Asn Glu Leu Gly	295	Gly Ile Cys Ser Ile	300
Gln Val Glu Glu	305	Met Leu Gln Asp	310	Asn Thr Lys Ser Ser	315
Gln Pro Glu Asn	320	Ile Pro Met Trp	325	Ser Ser Asp Ile Val	330
Gly Glu Lys Asn	335	Pro Val Lys Pro	340	Leu Gln Pro Leu Ile	345
Glu Gln Lys Pro	350	Lys Asp Gln Asp	355	Gln Val Ala Gly Glu	360
Ile Glu Lys Gln	365	Gly Arg Ile His	370	Pro Asp Ser Gln Pro	375
Ser Gly Ser Glu	380	Pro Ser Leu Ser	385	Arg Arg Arg Gln Lys	390
Arg Glu Gln Thr	395	Glu His Arg Gly	400	Gln Arg Arg Gln Lys	405
Asp Leu Phe Ala	410	Phe Gln Glu Ser	415	Pro Arg Phe Leu Pro	420
His Pro Ile Val	425	Gly Lys Val Asp	430	Thr Ser Thr Gln Lys	435
Ala Glu Asn Gln	440	Arg Arg Val Ala	445	Gly Ser Val Ser Ser	450
Arg Ser Ser Glu	455	Met Ser Ser Ser	460	Lys Asp Arg Pro Leu	465
Arg Glu Arg Arg	470	Arg Leu Lys Gln	475	Ser Thr Ser Thr Asp	480
Ser Gly Pro Ser	485	Val Arg Lys Ala	490	Leu Ser Val Ala Gly	495
Gly Lys Pro Gln	500	Glu Asp Gln Pro	505	Pro Ala Arg Arg Leu	510
Ser Ser Asp Cys	515	Ser Val Thr Gln	520	Arg Lys Gln Ile His	525
Leu Ser Glu Asp	530	Glu Leu Ser Ser	535	Thr Ser Ser Thr Asp	540
Ser Asp Gly Asp	545	Tyr Gly Glu Gly	550	Lys Gln Thr Asn Glu	555
Asn Ala Leu Val	560	Gln Leu Met Thr	565	Gly Thr Leu Lys Leu	570
Lys Glu Ser Cys	575	Glu Asp Val Pro	580	Thr Leu Ile Leu His	585
Phe Lys Leu His	590	Arg Lys Tyr Arg	595	Ala Asn Pro Val Ser	600
Lys Val Ala Glu	605	Glu Ala Glu Glu	610	Thr Leu Ile Leu His	615
Ser Ala Ile Met	620	Pro Gly Ser Glu	625	His Phe Lys Glu Leu	630
Val Leu Arg Thr	635	Asp Val Ile Arg	640	Ile Arg Arg Leu Val	645
Glu Gln Val Tyr	650	Leu Leu Glu Glu	655	Leu Gly Val Gln Leu	660
Glu Val Arg Leu	665	Asp Leu Leu Glu	670	Glu Asp Glu Phe Asp	675
Ser Val Lys Ala	680	Arg Glu His Met	685	Gly Glu Lys Tyr Thr	690
Phe	695	Gln Leu Lys Phe	700	Phe Glu Glu Asn Met	705

<210> 45

<211> 243
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522140CD1

<400> 45

Met	Asp	Pro	Thr	Ala	Gly	Ser	Lys	Lys	Glu	Pro	Gly	Gly	Gly	Ala
1				5					10					15
Ala	Thr	Glu	Glu	Gly	Val	Asn	Arg	Ile	Ala	Val	Pro	Lys	Pro	Pro
				20					25					30
Ser	Ile	Glu	Glu	Phe	Ser	Ile	Val	Lys	Pro	Ile	Ser	Arg	Gly	Ala
				35					40					45
Phe	Gly	Lys	Val	Tyr	Leu	Gly	Gln	Lys	Gly	Gly	Lys	Leu	Tyr	Ala
				50					55					60
Val	Lys	Val	Val	Lys	Lys	Ala	Asp	Met	Ile	Asn	Lys	Asn	Met	Thr
				65					70					75
His	Gln	Val	Gln	Ala	Glu	Arg	Asp	Ala	Leu	Ala	Leu	Ser	Lys	Ser
				80					85					90
Pro	Phe	Ile	Val	His	Leu	Tyr	Tyr	Ser	Leu	Gln	Ser	Ala	Asn	Asn
				95					100					105
Val	Tyr	Leu	Val	Met	Glu	Tyr	Leu	Ile	Gly	Gly	Asp	Val	Lys	Ser
				110					115					120
Leu	Leu	His	Ile	Tyr	Gly	Tyr	Phe	Asp	Glu	Glu	Met	Ala	Val	Lys
				125					130					135
Tyr	Ile	Ser	Glu	Val	Ala	Leu	Ala	Leu	Asp	Tyr	Leu	His	Arg	His
				140					145					150
Gly	Ile	Ile	His	Arg	Asp	Leu	Lys	Pro	Asp	Asn	Met	Leu	Ile	Ser
				155					160					165
Asn	Glu	Gly	His	Ile	Lys	Leu	Thr	Asp	Phe	Gly	Leu	Ser	Lys	Val
				170					175					180
Thr	Leu	Asn	Arg	Gly	Leu	Glu	Thr	Val	Ala	Ser	Asn	Pro	Gly	Met
				185					190					195
Pro	Val	Lys	Cys	Leu	Thr	Ser	Asn	Leu	Leu	Gln	Ser	Arg	Lys	Arg
				200					205					210
Leu	Ala	Thr	Ser	Ser	Ala	Ser	Ser	Gln	Ser	His	Thr	Phe	Ile	Ser
				215					220					225
Ser	Val	Glu	Ser	Glu	Cys	His	Ser	Ser	Pro	Lys	Trp	Glu	Lys	Asp
				230					235					240
Cys	Gln	Val												

<210> 46
 <211> 416
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522525CD1

<400> 46

Met	Ile	Ser	Phe	Cys	Pro	Asp	Cys	Gly	Lys	Ser	Ile	Gln	Ala	Ala
1				5					10					15
Phe	Lys	Phe	Cys	Pro	Tyr	Cys	Gly	Asn	Ser	Leu	Pro	Val	Glu	Glu
				20					25					30
His	Val	Gly	Ser	Gln	Thr	Phe	Val	Asn	Pro	His	Val	Pro	Ser	Phe
				35					40					45
Gln	Gly	Ser	Lys	Arg	Gly	Leu	Asn	Ser	Ser	Phe	Glu	Thr	Ser	Pro
				50					55					60
Lys	Lys	Val	Lys	Trp	Ser	Ser	Thr	Val	Thr	Ser	Pro	Arg	Leu	Ser

				65					70					75
Leu	Phe	Ser	Asp	Gly	Asp	Ser	Ser	Glu	Ser	Glu	Asp	Thr	Leu	Ser
				80						85				90
Ser	Ser	Glu	Arg	Ser	Lys	Gly	Thr	Val	Leu	Thr	Asp	Lys	Ser	Gly
				95						100				105
Arg	Gln	Trp	Lys	Leu	Lys	Ser	Phe	Gln	Thr	Arg	Asp	Asn	Gln	Gly
				110						115				120
Ile	Leu	Tyr	Glu	Ala	Ala	Pro	Thr	Ser	Thr	Leu	Thr	Cys	Asp	Ser
				125						130				135
Gly	Pro	Gln	Lys	Gln	Lys	Phe	Ser	Leu	Lys	Leu	Asp	Ala	Lys	Asp
				140						145				150
Gly	Arg	Leu	Phe	Asn	Glu	Gln	Asn	Phe	Phe	Gln	Arg	Ala	Ala	Lys
				155						160				165
Pro	Leu	Gln	Val	Asn	Lys	Trp	Lys	Lys	Leu	Tyr	Ser	Thr	Pro	Leu
				170						175				180
Leu	Ala	Ile	Pro	Thr	Cys	Met	Gly	Phe	Gly	Val	His	Gln	Asp	Lys
				185						190				195
Tyr	Arg	Phe	Leu	Val	Leu	Pro	Ser	Leu	Gly	Arg	Ser	Leu	Gln	Ser
				200						205				210
Ala	Leu	Asp	Val	Ser	Pro	Lys	His	Val	Leu	Ser	Glu	Arg	Ser	Val
				215						220				225
Leu	Gln	Val	Ala	Cys	Arg	Leu	Leu	Asp	Ala	Leu	Glu	Phe	Leu	His
				230						235				240
Glu	Asn	Glu	Tyr	Val	His	Gly	Asn	Val	Thr	Ala	Glu	Asn	Ile	Phe
				245						250				255
Val	Asp	Pro	Glu	Asp	Gln	Ser	Gln	Val	Thr	Leu	Ala	Gly	Tyr	Gly
				260						265				270
Phe	Ala	Phe	Arg	Tyr	Cys	Pro	Ser	Gly	Lys	His	Val	Ala	Tyr	Val
				275						280				285
Glu	Gly	Ser	Arg	Ser	Pro	His	Glu	Gly	Asp	Leu	Glu	Phe	Ile	Ser
				290						295				300
Met	Asp	Leu	His	Lys	Gly	Cys	Gly	Pro	Ser	Arg	Arg	Ser	Asp	Leu
				305						310				315
Gln	Ser	Leu	Gly	Tyr	Cys	Met	Leu	Lys	Trp	Leu	Tyr	Gly	Phe	Leu
				320						325				330
Pro	Trp	Thr	Asn	Cys	Leu	Pro	Asn	Thr	Glu	Asp	Ile	Met	Lys	Gln
				335						340				345
Lys	Gln	Lys	Phe	Val	Asp	Lys	Pro	Gly	Pro	Phe	Val	Gly	Pro	Cys
				350						355				360
Gly	His	Trp	Ile	Arg	Pro	Ser	Glu	Thr	Leu	Gln	Lys	Tyr	Leu	Lys
				365						370				375
Val	Val	Met	Ala	Leu	Thr	Tyr	Glu	Glu	Lys	Pro	Pro	Tyr	Ala	Met
				380						385				390
Leu	Arg	Asn	Asn	Leu	Glu	Ala	Leu	Leu	Gln	Asp	Leu	Arg	Val	Ser
				395						400				405
Pro	Tyr	Asp	Pro	Ile	Gly	Leu	Pro	Met	Val	Pro				
				410						415				

<210> 47

<211> 839

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7525355CD1

<400> 47

Met	Glu	Thr	Cys	Ala	Gly	Pro	His	Pro	Leu	Arg	Leu	Phe	Leu	Cys
1				5					10					15
Arg	Met	Gln	Leu	Cys	Leu	Ala	Leu	Leu	Leu	Gly	Pro	Trp	Arg	Pro
				20					25					30
Gly	Thr	Ala	Glu	Glu	Val	Ile	Leu	Leu	Asp	Ser	Lys	Ala	Ser	Gln

	35		40		45
Ala Glu Leu Gly Trp Thr Ala Leu Pro Ser Asn Gly Trp Glu Glu	50		55		60
Ile Ser Gly Val Asp Glu His Asp Arg Pro Ile Arg Thr Tyr Gln	65		70		75
Val Cys Asn Val Leu Glu Pro Asn Gln Asp Asn Trp Leu Gln Thr	80		85		90
Gly Trp Ile Ser Arg Gly Arg Gly Gln Arg Ile Phe Val Glu Leu	95		100		105
Gln Phe Thr Leu Arg Asp Cys Ser Ser Ile Pro Gly Ala Ala Gly	110		115		120
Thr Cys Lys Glu Thr Phe Asn Val Tyr Tyr Leu Glu Thr Glu Ala	125		130		135
Asp Leu Gly Arg Gly Arg Pro Arg Leu Gly Gly Ser Arg Pro Arg	140		145		150
Lys Ile Asp Thr Ile Ala Ala Asp Glu Ser Phe Thr Gln Gly Asp	155		160		165
Leu Gly Glu Arg Lys Met Lys Leu Asn Thr Glu Val Arg Glu Ile	170		175		180
Gly Pro Leu Ser Arg Arg Gly Phe His Leu Ala Phe Gln Asp Val	185		190		195
Gly Ala Cys Val Ala Leu Val Ser Val Arg Val Tyr Tyr Lys Gln	200		205		210
Cys Arg Ala Thr Val Arg Gly Leu Ala Thr Leu Pro Ala Thr Ala	215		220		225
Ala Glu Ser Ala Phe Ser Thr Leu Val Glu Val Ala Gly Thr Cys	230		235		240
Val Ala His Ser Glu Gly Glu Pro Gly Ser Pro Pro Arg Met His	245		250		255
Cys Gly Ala Asp Gly Glu Trp Leu Val Pro Val Gly Arg Cys Ser	260		265		270
Cys Ser Ala Gly Phe Gln Glu Arg Gly Asp Ile Cys Glu Ala Pro	275		280		285
Trp Glu Glu Asp Glu Ile Arg Arg Asp Arg Val Glu Pro Gln Ser	290		295		300
Val Ser Leu Ser Trp Arg Glu Pro Ile Pro Ala Gly Ala Pro Gly	305		310		315
Ala Asn Asp Thr Glu Tyr Glu Ile Arg Tyr Tyr Glu Lys Gly Gln	320		325		330
Ser Glu Gln Thr Tyr Ser Met Val Lys Thr Gly Ala Pro Thr Val	335		340		345
Thr Val Thr Asn Leu Lys Pro Ala Thr Arg Tyr Val Phe Gln Ile	350		355		360
Arg Ala Ala Ser Pro Gly Pro Ser Trp Glu Ala Gln Ser Phe Asn	365		370		375
Pro Ser Ile Glu Val Gln Thr Leu Gly Glu Ala Ala Ser Gly Ser	380		385		390
Arg Asp Gln Ser Pro Ala Ile Val Val Thr Val Val Thr Ile Ser	395		400		405
Ala Leu Leu Val Leu Gly Ser Val Met Ser Val Leu Ala Ile Trp	410		415		420
Arg Arg Pro Cys Ser Tyr Gly Lys Gly Gly Gly Asp Ala His Asp	425		430		435
Glu Glu Glu Leu Tyr Phe His Phe Lys Val Pro Thr Arg Arg Thr	440		445		450
Phe Leu Asp Pro Gln Ser Cys Gly Asp Leu Leu Gln Ala Val His	455		460		465
Leu Phe Ala Lys Glu Leu Asp Ala Lys Ser Val Thr Leu Glu Arg	470		475		480
Ser Leu Gly Gly Gly Arg Phe Gly Glu Leu Cys Cys Gly Cys Leu	485		490		495
Gln Leu Pro Gly Arg Gln Glu Leu Leu Val Ala Val His Met Leu	500		505		510

Arg Asp Ser Ala	Ser Asp Ser Gln Arg	Leu Gly Phe Leu Ala	Glu
515	520		525
Ala Leu Thr Leu	Gly Gln Phe Asp His	Ser His Ile Val Arg	Leu
530	535		540
Glu Gly Val Val	Thr Arg Gly Ser Thr	Leu Met Ile Val Thr	Glu
545	550		555
Tyr Met Ser His	Gly Ala Leu Gly Gly	Phe Leu Arg Arg His	Glu
560	565		570
Gly Gln Leu Val	Ala Gly Gln Leu Met	Gly Leu Leu Pro Gly	Leu
575	580		585
Ala Ser Ala Met	Lys Tyr Leu Ser Glu	Met Gly Tyr Val His	Arg
590	595		600
Gly Leu Ala Ala	Arg His Val Leu Val	Ser Ser Asp Leu Val	Cys
605	610		615
Lys Ile Ser Gly	Phe Gly Arg Gly Pro	Arg Asp Arg Ser Glu	Ala
620	625		630
Val Tyr Thr Thr	Met Ser Gly Arg Ser	Pro Ala Leu Trp Ala	Ala
635	640		645
Pro Glu Thr Leu	Gln Phe Gly His Phe	Ser Ser Ala Ser Asp	Val
650	655		660
Trp Ser Phe Gly	Ile Ile Met Trp Glu	Val Met Ala Phe Gly	Glu
665	670		675
Arg Pro Tyr Trp	Asp Met Ser Gly Gln	Asp Val Ile Lys Ala	Val
680	685		690
Glu Asp Gly Phe	Arg Leu Pro Pro Pro	Arg Asn Cys Pro Asn	Leu
695	700		705
Leu His Arg Leu	Met Leu Asp Cys Trp	Gln Lys Asp Pro Gly	Glu
710	715		720
Arg Pro Arg Phe	Ser Gln Ile His Ser	Ile Leu Ser Lys Met	Val
725	730		735
Gln Asp Pro Glu	Pro Pro Lys Cys Ala	Leu Thr Thr Cys Pro	Arg
740	745		750
Pro Pro Thr Pro	Leu Ala Asp Arg Ala	Phe Ser Thr Phe Pro	Ser
755	760		765
Phe Gly Ser Val	Gly Ala Trp Leu Glu	Ala Leu Asp Leu Cys	Arg
770	775		780
Tyr Lys Asp Ser	Phe Ala Ala Ala Gly	Tyr Gly Ser Leu Glu	Ala
785	790		795
Val Ala Glu Met	Thr Ala Gln Asp Leu	Val Ser Leu Gly Ile	Ser
800	805		810
Leu Ala Glu His	Arg Glu Ala Leu Leu	Ser Gly Ile Ser Ala	Leu
815	820		825
Gln Ala Arg Val	Leu Gln Leu Gln Gly	Gln Gly Val Gln Val	
830	835		

<210> 48

<211> 1384

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7524443CD1

<400> 48

Met Ala Asn Asp	Ser Pro Ala Lys Ser	Leu Val Asp Ile Asp	Leu
1	5	10	15
Ser Ser Leu Arg	Asp Pro Ala Gly Ile	Phe Glu Leu Val Glu	Val
20	25		30
Val Gly Asn Gly	Thr Tyr Gly Gln Val	Tyr Lys Gly Arg His	Val
35	40		45
Lys Thr Gly Gln	Leu Ala Ala Ile Lys	Val Met Asp Val Thr	Glu
50	55		60

Asp	Glu	Glu	Glu	Glu	Ile	Lys	Leu	Glu	Ile	Asn	Met	Leu	Lys	Lys	
				65					70						75
Tyr	Ser	His	His	Arg	Asn	Ile	Ala	Thr	Tyr	Tyr	Gly	Ala	Phe	Ile	
				80					85						90
Lys	Lys	Gly	Pro	Pro	Gly	His	Asp	Asn	Gln	Leu	Trp	Leu	Val	Met	
				95					100						105
Glu	Phe	Cys	Gly	Ala	Gly	Ser	Ile	Thr	Asp	Pro	Val	Lys	Asn	Thr	
				110					115						120
Lys	Gly	Asn	Thr	Leu	Lys	Glu	Asp	Trp	Ile	Ala	Tyr	Ile	Ser	Arg	
				125					130						135
Glu	Ile	Leu	Arg	Gly	Leu	Ala	His	Leu	His	Ile	His	His	Val	Ile	
				140					145						150
His	Arg	Asp	Ile	Lys	Gly	Gln	Asn	Val	Leu	Leu	Thr	Glu	Asn	Ala	
				155					160						165
Glu	Val	Lys	Leu	Val	Asp	Phe	Gly	Val	Ser	Ala	Gln	Leu	Asp	Arg	
				170					175						180
Thr	Val	Gly	Arg	Arg	Asn	Thr	Phe	Ile	Gly	Thr	Pro	Tyr	Trp	Met	
				185					190						195
Ala	Pro	Glu	Val	Ile	Ala	Cys	Asp	Glu	Asn	Pro	Asp	Ala	Thr	Tyr	
				200					205						210
Asp	Tyr	Arg	Ser	Asp	Leu	Gly	Ser	Cys	Gly	Ile	Thr	Ala	Ile	Glu	
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Met	Ala	Glu	Gly	Ala	Pro	Pro	Leu	Cys	Asp	Met	His	Pro	Met	Arg	
				230					235						240
Ala	Leu	Phe	Leu	Ile	Pro	Arg	Asn	Pro	Pro	Pro	Arg	Leu	Lys	Ser	
				245					250						255
Lys	Lys	Trp	Ser	Lys	Lys	Phe	Phe	Ser	Phe	Ile	Glu	Gly	Cys	Leu	
				260					265						270
Val	Lys	Asn	Tyr	Met	Gln	Arg	Pro	Ser	Thr	Glu	Gln	Leu	Leu	Lys	
				275					280						285
His	Pro	Phe	Ile	Arg	Asp	Gln	Pro	Asn	Glu	Arg	Gln	Val	Arg	Ile	
				290					295						300
Gln	Leu	Lys	Asp	His	Ile	Asp	Arg	Thr	Arg	Lys	Lys	Arg	Gly	Glu	
				305					310						315
Lys	Asp	Glu	Thr	Glu	Tyr	Glu	Tyr	Ser	Gly	Ser	Glu	Glu	Glu	Glu	
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Glu	Glu	Val	Pro	Glu	Gln	Glu	Gly	Glu	Pro	Ser	Ser	Ile	Val	Asn	
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Val	Pro	Gly	Glu	Ser	Thr	Leu	Arg	Arg	Asp	Phe	Leu	Arg	Leu	Gln	
				350					355						360
Gln	Glu	Asn	Lys	Glu	Arg	Ser	Glu	Ala	Leu	Arg	Arg	Gln	Gln	Leu	
				365					370						375
Leu	Gln	Glu	Gln	Gln	Leu	Arg	Glu	Gln	Glu	Glu	Tyr	Lys	Arg	Gln	
				380					385						390
Leu	Leu	Ala	Glu	Arg	Gln	Lys	Arg	Ile	Glu	Gln	Gln	Lys	Glu	Gln	
				395					400						405
Arg	Arg	Arg	Leu	Glu	Glu	Gln	Gln	Arg	Arg	Glu	Arg	Glu	Ala	Arg	
				410					415						420
Arg	Gln	Gln	Glu	Arg	Glu	Gln	Arg	Arg	Arg	Glu	Gln	Glu	Glu	Lys	
				425					430						435
Arg	Arg	Leu	Glu	Glu	Leu	Glu	Arg	Arg	Arg	Lys	Glu	Glu	Glu	Glu	
				440					445						450
Arg	Arg	Arg	Ala	Glu	Glu	Glu	Lys	Arg	Arg	Val	Glu	Arg	Glu	Gln	
				455					460						465
Glu	Tyr	Ile	Arg	Arg	Gln	Leu	Glu	Glu	Glu	Gln	Arg	His	Leu	Glu	
				470					475						480
Val	Leu	Gln	Gln	Gln	Leu	Leu	Gln	Glu	Gln	Ala	Met	Leu	Leu	Glu	
				485					490						495
Cys	Arg	Trp	Arg	Glu	Met	Glu	Glu	His	Arg	Gln	Ala	Glu	Arg	Leu	
				500					505						510
Gln	Arg	Gln	Leu	Gln	Gln	Glu	Gln	Ala	Tyr	Leu	Leu	Ser	Leu	Gln	
				515					520						525
His	Asp	His	Arg	Arg	Pro	His	Pro	Gln	His	Ser	Gln	Gln	Pro	Pro	

Pro Pro Gln Gln	530	Pro Ser Phe His Ala Pro	535	540
	545	Arg Ser Lys Pro	550	555
Pro Lys Ala His	560	Tyr Glu Pro Ala Asp	565	570
Asp Arg Phe Arg	575	Lys Thr Asn His Ser	580	585
Lys Gln Thr Gly	590	Arg Val Leu Glu Pro	595	600
Glu Ser Phe Ser	605	Asn Gly Asn Ser Glu	610	615
Gln Arg Pro Ala	620	Glu Pro Gln Val Gln	625	630
Leu Lys Asn Asn	635	Val Ser Pro Val Ser	640	645
Asp Pro Ser Pro	650	Lys Phe Ala His His	655	660
Pro Cys Pro Pro	665	Ser Arg Ser Glu Val	670	675
Ser Lys Ser Glu	680	Ala Pro Asp Pro Thr	685	690
Ser Asp Ser Asp	695	Glu Val Pro Pro Arg	700	705
Ser Arg Ser Pro	710	Val Leu Ser Arg Arg	715	720
Ser Gly Gln Gln	725	Asn Ser Gln Ala Gly	730	735
Ser Ile Glu Pro	740	Arg Leu Leu Trp Glu	745	750
Pro Arg Pro Gly	755	Ser Gly Ser Ser Ser	760	765
Ser Gln Pro Gly	770	Ser His Pro Gly Ser	775	780
Arg Phe Arg Val	785	Arg Ser Ser Ser Lys	790	795
Arg Arg Leu Glu	800	Asn Ala Val Lys Lys	805	810
Val Phe Arg Pro	815	Leu Lys Pro Ala Gly	820	825
Leu Ala Lys Glu	830	Leu Arg Ala Val Glu	835	840
Lys Val Thr Asp	845	Tyr Ser Ser Ser Ser	850	855
Asp Glu Glu Asp	860	Asp Asp Val Glu Gln	865	870
Thr Ser Gly Pro	875	Glu Asp Thr Arg Ala	880	885
Ser Asn Gly Glu	890	Thr Glu Ser Val Lys	895	900
Asp Val Glu Ser	905	Glu Pro Ala Met Thr	910	915
Leu Ile Val Arg	920	Gln Ser Thr Val Asp	925	930
His Glu Ser Asn	935	Gly Phe Ala Gly Arg	940	945
Leu Leu Gln Gln	950	Ser His Ser Ser Ser	955	960
Ser Pro Ser Ser	965	Ser Gln Pro Thr Pro	970	975
Pro Gln Asp Lys	980	Leu Thr Ala Asn Glu	985	990
Thr Leu Gln Lys	995	His Lys Ser Ser Ser	1000	1005

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Asp Pro Arg Leu Leu Gln Ile Ser Pro Ser Ser Gly Thr Thr Val
1010 1015 1020
Thr Ser Val Val Gly Phe Ser Cys Asp Gly Met Arg Pro Glu Ala
1025 1030 1035
Ile Arg Gln Asp Pro Thr Arg Lys Gly Ser Val Val Asn Val Asn
1040 1045 1050
Pro Thr Asn Thr Arg Pro Gln Ser Asp Thr Pro Glu Ile Arg Lys
1055 1060 1065
Tyr Lys Lys Arg Phe Asn Ser Glu Ile Leu Cys Ala Ala Leu Trp
1070 1075 1080
Gly Val Asn Leu Leu Val Gly Thr Glu Ser Gly Leu Met Leu Leu
1085 1090 1095
Asp Arg Ser Gly Gln Gly Lys Val Tyr Pro Leu Ile Asn Arg Arg
1100 1105 1110
Arg Phe Gln Gln Met Asp Val Leu Gly Gly Leu Asn Val Leu Val
1115 1120 1125
Thr Ile Ser Gly Lys Lys Asp Lys Leu Arg Val Tyr Tyr Leu Ser
1130 1135 1140
Trp Leu Arg Asn Lys Ile Leu His Asn Asp Pro Glu Val Glu Lys
1145 1150 1155
Lys Gln Gly Trp Thr Thr Val Gly Asp Leu Glu Gly Cys Val His
1160 1165 1170
Tyr Lys Val Val Lys Tyr Glu Arg Ile Lys Phe Leu Val Ile Ala
1175 1180 1185
Leu Lys Ser Ser Val Glu Val Tyr Ala Trp Ala Pro Lys Pro Tyr
1190 1195 1200
His Lys Phe Met Ala Phe Lys Ser Phe Gly Glu Leu Val His Lys
1205 1210 1215
Pro Leu Leu Val Asp Leu Thr Val Glu Glu Gly Gln Arg Leu Lys
1220 1225 1230
Val Ile Tyr Gly Ser Cys Ala Gly Phe His Ala Val Asp Val Asp
1235 1240 1245
Ser Gly Ser Val Tyr Asp Ile Tyr Leu Pro Thr His Ile Gln Cys
1250 1255 1260
Ser Ile Lys Pro His Ala Ile Ile Ile Leu Pro Asn Thr Asp Gly
1265 1270 1275
Met Glu Leu Leu Val Cys Tyr Glu Asp Glu Gly Val Tyr Val Asn
1280 1285 1290
Thr Tyr Gly Arg Ile Thr Lys Asp Val Val Leu Gln Trp Gly Glu
1295 1300 1305
Met Pro Thr Ser Val Ala Tyr Ile Arg Ser Asn Gln Thr Met Gly
1310 1315 1320
Trp Gly Glu Lys Ala Ile Glu Ile Arg Ser Val Glu Thr Gly His
1325 1330 1335
Leu Asp Gly Val Phe Met His Lys Arg Ala Gln Arg Leu Lys Phe
1340 1345 1350
Leu Cys Glu Arg Asn Asp Lys Val Phe Phe Ala Ser Val Arg Ser
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Gly Gly Ser Ser Gln Val Tyr Phe Met Thr Leu Gly Arg Thr Ser
1370 1375 1380
Leu Leu Ser Trp

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<211> 1230

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7524498CD1

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Ser	Ser	Leu	Arg	Asp	Pro	Ala	Gly	Ile	Phe	Glu	Leu	Val	Glu	Val	
				20					25					30	
Val	Gly	Asn	Gly	Thr	Tyr	Gly	Gln	Val	Tyr	Lys	Gly	Arg	His	Val	
				35					40					45	
Lys	Thr	Gly	Gln	Leu	Ala	Thr	Ile	Lys	Val	Met	Asp	Val	Thr	Glu	
				50					55					60	
Asp	Glu	Glu	Glu	Glu	Ile	Lys	Leu	Glu	Ile	Asn	Met	Leu	Lys	Lys	
				65					70					75	
Tyr	Ser	His	His	Arg	Asn	Ile	Ala	Thr	Tyr	Tyr	Gly	Ala	Phe	Ile	
				80					85					90	
Lys	Lys	Ser	Pro	Pro	Gly	His	Asp	Asp	Gln	Leu	Trp	Leu	Val	Met	
				95					100					105	
Glu	Phe	Cys	Gly	Ala	Gly	Ser	Ile	Thr	Asp	Leu	Val	Lys	Asn	Thr	
				110					115					120	
Lys	Gly	Asn	Thr	Leu	Lys	Glu	Asp	Trp	Ile	Ala	Tyr	Ile	Ser	Arg	
				125					130					135	
Glu	Ile	Leu	Arg	Gly	Leu	Ala	His	Leu	His	Ile	His	His	Val	Ile	
				140					145					150	
His	Arg	Asp	Ile	Lys	Gly	Gln	Asn	Val	Leu	Leu	Thr	Glu	Asn	Ala	
				155					160					165	
Glu	Val	Lys	Leu	Val	Asp	Phe	Gly	Val	Ser	Ala	Gln	Leu	Asp	Arg	
				170					175					180	
Thr	Val	Gly	Arg	Arg	Asn	Thr	Phe	Ile	Gly	Thr	Pro	Tyr	Trp	Met	
				185					190					195	
Ala	Pro	Glu	Val	Ile	Ala	Cys	Asp	Glu	Asn	Pro	Asp	Ala	Thr	Tyr	
				200					205					210	
Asp	Tyr	Arg	Ser	Asp	Leu	Trp	Ser	Cys	Gly	Ile	Thr	Ala	Ile	Glu	
				215					220					225	
Met	Ala	Glu	Gly	Ala	Pro	Pro	Leu	Cys	Asp	Met	His	Pro	Met	Arg	
				230					235					240	
Ala	Leu	Phe	Leu	Ile	Pro	Arg	Asn	Pro	Pro	Pro	Arg	Leu	Lys	Ser	
				245					250					255	
Lys	Lys	Trp	Ser	Lys	Lys	Phe	Phe	Ser	Phe	Ile	Glu	Gly	Cys	Leu	
				260					265					270	
Val	Lys	Asn	Tyr	Met	Gln	Arg	Pro	Ser	Thr	Glu	Gln	Leu	Leu	Lys	
				275					280					285	
His	Pro	Phe	Ile	Arg	Asp	Gln	Pro	Asn	Glu	Arg	Gln	Val	Arg	Ile	
				290					295					300	
Gln	Leu	Lys	Asp	His	Ile	Asp	Arg	Thr	Arg	Lys	Lys	Arg	Gly	Glu	
				305					310					315	
Lys	Asp	Glu	Thr	Glu	Tyr	Glu	Tyr	Ser	Gly	Ser	Glu	Glu	Glu	Glu	
				320					325					330	
Glu	Glu	Val	Pro	Glu	Gln	Glu	Gly	Glu	Pro	Ser	Ser	Ile	Val	Asn	
				335					340					345	
Val	Pro	Gly	Glu	Ser	Thr	Leu	Arg	Arg	Asp	Phe	Leu	Arg	Leu	Gln	
				350					355					360	
Gln	Glu	Asn	Lys	Glu	Arg	Ser	Glu	Ala	Leu	Arg	Arg	Gln	Gln	Leu	
				365					370					375	
Leu	Gln	Glu	Gln	Gln	Leu	Arg	Glu	Gln	Glu	Glu	Tyr	Lys	Arg	Gln	
				380					385					390	
Leu	Leu	Ala	Glu	Arg	Gln	Lys	Arg	Ile	Glu	Gln	Gln	Lys	Glu	Gln	
				395					400					405	
Arg	Arg	Arg	Leu	Glu	Glu	Gln	Gln	Arg	Arg	Glu	Arg	Glu	Ala	Arg	
				410					415					420	
Arg	Gln	Gln	Glu	Arg	Glu	Gln	Arg	Arg	Arg	Glu	Gln	Glu	Glu	Lys	
				425					430					435	
Arg	Arg	Leu	Glu	Glu	Leu	Glu	Arg	Arg	Arg	Lys	Glu	Glu	Glu	Glu	
				440					445					450	
Arg	Arg	Arg	Ala	Glu	Glu	Glu	Lys	Arg	Arg	Val	Glu	Arg	Glu	Gln	
				455					460					465	
Glu	Tyr	Ile	Arg	Arg	Gln	Leu	Glu	Glu	Glu	Gln	Arg	His	Leu	Glu	

	470		475		480									
Val	Leu	Gln	Gln	Leu	Leu	Gln	Glu	Gln	Ala	Met	Leu	Leu	His	
	485				490								495	
Asp	His	Arg	Arg	Pro	His	Pro	Gln	His	Ser	Gln	Gln	Pro	Pro	Pro
	500				505								510	
Pro	Gln	Gln	Glu	Arg	Ser	Lys	Pro	Ser	Phe	His	Ala	Pro	Glu	Pro
	515				520								525	
Lys	Ala	His	Tyr	Glu	Pro	Ala	Asp	Arg	Ala	Arg	Glu	Trp	Ser	His
	530				535								540	
Leu	Ala	Ser	Leu	Lys	Asn	Asn	Val	Ser	Pro	Val	Ser	Arg	Ser	His
	545				550								555	
Ser	Phe	Ser	Asp	Pro	Ser	Pro	Lys	Phe	Ala	His	His	His	Leu	Arg
	560				565								570	
Ser	Gln	Asp	Pro	Cys	Pro	Pro	Ser	Arg	Ser	Glu	Val	Leu	Ser	Gln
	575				580								585	
Ser	Ser	Asp	Ser	Lys	Ser	Glu	Ala	Pro	Asp	Pro	Thr	Gln	Lys	Ala
	590				595								600	
Trp	Ser	Arg	Ser	Asp	Ser	Asp	Glu	Val	Pro	Pro	Arg	Val	Pro	Val
	605				610								615	
Arg	Thr	Thr	Ser	Arg	Ser	Pro	Val	Leu	Ser	Arg	Arg	Asp	Ser	Pro
	620				625								630	
Leu	Gln	Gly	Ser	Gly	Gln	Gln	Asn	Ser	Gln	Ala	Gly	Gln	Arg	Asn
	635				640								645	
Ser	Thr	Ser	Ser	Ile	Glu	Pro	Arg	Leu	Leu	Trp	Glu	Arg	Val	Glu
	650				655								660	
Lys	Leu	Val	Pro	Arg	Pro	Gly	Ser	Gly	Ser	Ser	Ser	Gly	Ser	Ser
	665				670								675	
Asn	Ser	Gly	Ser	Gln	Pro	Gly	Ser	His	Pro	Gly	Ser	Gln	Ser	Gly
	680				685								690	
Ser	Gly	Glu	Arg	Phe	Arg	Val	Arg	Ser	Ser	Ser	Lys	Ser	Glu	Gly
	695				700								705	
Ser	Pro	Ser	Gln	Arg	Leu	Glu	Asn	Ala	Val	Lys	Lys	Pro	Glu	Asp
	710				715								720	
Lys	Lys	Glu	Val	Phe	Arg	Pro	Leu	Lys	Pro	Ala	Asp	Leu	Thr	Ala
	725				730								735	
Leu	Ala	Lys	Glu	Leu	Arg	Ala	Val	Glu	Asp	Val	Arg	Pro	Pro	His
	740				745								750	
Lys	Val	Thr	Asp	Tyr	Ser	Ser	Ser	Ser	Glu	Glu	Ser	Gly	Thr	Thr
	755				760								765	
Asp	Glu	Glu	Asp	Asp	Asp	Val	Glu	Gln	Glu	Gly	Ala	Asp	Glu	Ser
	770				775								780	
Thr	Ser	Gly	Pro	Glu	Asp	Thr	Arg	Ala	Ala	Ser	Ser	Leu	Asn	Leu
	785				790								795	
Ser	Asn	Gly	Glu	Thr	Glu	Ser	Val	Lys	Thr	Met	Ile	Val	His	Asp
	800				805								810	
Asp	Val	Glu	Ser	Glu	Pro	Ala	Met	Thr	Pro	Ser	Lys	Glu	Gly	Thr
	815				820								825	
Leu	Ile	Val	Arg	Gln	Thr	Gln	Ser	Ala	Ser	Ser	Thr	Leu	Gln	Lys
	830				835								840	
His	Lys	Ser	Ser	Ser	Ser	Phe	Thr	Pro	Phe	Ile	Asp	Pro	Arg	Leu
	845				850								855	
Leu	Gln	Ile	Ser	Pro	Ser	Ser	Gly	Thr	Thr	Val	Thr	Ser	Val	Val
	860				865								870	
Gly	Phe	Ser	Cys	Asp	Gly	Met	Arg	Pro	Glu	Ala	Ile	Arg	Gln	Asp
	875				880								885	
Pro	Thr	Arg	Lys	Gly	Ser	Val	Val	Asn	Val	Asn	Pro	Thr	Asn	Thr
	890				895								900	
Arg	Pro	Gln	Ser	Asp	Thr	Pro	Glu	Ile	Arg	Lys	Tyr	Lys	Lys	Arg
	905				910								915	
Phe	Asn	Ser	Glu	Ile	Leu	Cys	Ala	Ala	Leu	Trp	Gly	Val	Asn	Leu
	920				925								930	
Leu	Val	Gly	Thr	Glu	Ser	Gly	Leu	Met	Leu	Leu	Asp	Arg	Ser	Gly
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Gln Gly Lys Val Tyr Pro Leu Ile Asn Arg Arg Arg Phe Gln Gln
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Met Asp Val Leu Glu Gly Leu Asn Val Leu Val Thr Ile Ser Gly
    965                      970                      975
Lys Lys Asp Lys Leu Arg Val Tyr Tyr Leu Ser Trp Leu Arg Asn
    980                      985                      990
Lys Ile Leu His Asn Asp Pro Glu Val Glu Lys Lys Gln Gly Trp
    995                      1000                     1005
Thr Thr Val Gly Asp Leu Glu Gly Cys Val His Tyr Lys Val Val
    1010                     1015                     1020
Lys Tyr Glu Arg Ile Lys Phe Leu Val Ile Ala Leu Lys Ser Ser
    1025                     1030                     1035
Val Glu Val Tyr Ala Trp Ala Pro Lys Pro Tyr His Lys Phe Met
    1040                     1045                     1050
Ala Phe Lys Ser Phe Gly Glu Leu Val His Lys Pro Leu Leu Val
    1055                     1060                     1065
Asp Leu Thr Val Glu Glu Gly Gln Arg Leu Lys Val Ile Tyr Gly
    1070                     1075                     1080
Ser Cys Ala Gly Phe His Ala Val Asp Val Asp Ser Gly Ser Val
    1085                     1090                     1095
Tyr Asp Ile Tyr Leu Pro Thr His Ile Gln Cys Ser Ile Lys Pro
    1100                     1105                     1110
His Ala Ile Ile Ile Leu Pro Asn Thr Asp Gly Met Glu Leu Leu
    1115                     1120                     1125
Val Cys Tyr Glu Asp Glu Gly Val Tyr Val Asn Thr Tyr Gly Arg
    1130                     1135                     1140
Ile Thr Lys Asp Val Val Leu Gln Trp Gly Glu Met Pro Thr Ser
    1145                     1150                     1155
Val Ala Tyr Ile Arg Ser Asn Gln Thr Met Gly Trp Gly Glu Lys
    1160                     1165                     1170
Ala Ile Glu Ile Arg Ser Val Glu Thr Gly His Leu Asp Gly Val
    1175                     1180                     1185
Phe Met His Lys Arg Ala Gln Arg Leu Lys Phe Leu Cys Glu Arg
    1190                     1195                     1200
Asn Asp Lys Val Phe Phe Ala Ser Val Arg Ser Gly Gly Ser Ser
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Gln Val Tyr Phe Met Thr Leu Gly Arg Thr Ser Leu Leu Ser Trp
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<220>
<221> misc_feature
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  35          40          45
Val Glu Phe Leu Gly Arg Ala Ala Asp Ala Leu Ile Ala Ile Ser
  50          55          60
Asn Tyr Arg Leu His Ile Lys Phe Lys Asp Ser Val Ile Asn Val
  65          70          75
Pro Leu Arg Met Ile Asp Ser Val Glu Ser Arg Asp Met Phe Gln
  80          85          90
Leu His Ile Ser Cys Lys Asp Ser Lys Val Val Arg Cys His Phe

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Ser Thr Phe Lys	Gln Cys Gln Glu Trp	Leu Ser Arg Leu Ser	Arg		
	110		120		
Ala Thr Ala Arg	Pro Ala Lys Pro Glu Asp	Leu Phe Ala Phe	Ala		
	125		135		
Tyr His Ala Trp	Cys Leu Gly Leu Thr	Glu Glu Asp Gln His	Thr		
	140		150		
His Leu Cys Gln	Pro Gly Glu His Ile	Arg Cys Arg Gln Glu	Ala		
	155		165		
Glu Leu Ala Arg	Met Gly Phe Asp Leu	Gln Asn Val Trp Arg	Val		
	170		180		
Ser His Ile Asn	Ser Asn Tyr Lys Leu	Cys Pro Ser Tyr Pro	Gln		
	185		195		
Lys Leu Leu Val	Pro Val Trp Ile Thr	Asp Lys Glu Leu Glu	Asn		
	200		210		
Val Ala Ser Phe	Arg Ser Trp Lys Arg	Ile Pro Val Val Val	Tyr		
	215		225		
Arg His Leu Arg	Asn Gly Ala Ala Ile	Ala Arg Cys Ser Gln	Pro		
	230		240		
Glu Ile Ser Trp	Trp Gly Trp Arg Asn	Ala Asp Asp Glu Tyr	Leu		
	245		255		
Val Thr Ser Ile	Ala Lys Ala Cys Ala	Leu Asp Pro Gly Thr	Arg		
	260		270		
Ala Thr Gly Gly	Ser Leu Ser Thr Gly	Asn Asn Asp Thr Ser	Glu		
	275		285		
Ala Cys Asp Ala	Asp Phe Asp Ser Ser	Leu Thr Ala Cys Ser	Gly		
	290		300		
Val Glu Ser Thr	Ala Ala Pro Gln Lys	Leu Leu Ile Leu Asp	Ala		
	305		315		
Arg Ser Tyr Thr	Ala Ala Val Ala Asn	Arg Ala Lys Gly Gly	Gly		
	320		330		
Cys Glu Cys Glu	Glu Tyr Tyr Pro Asn	Cys Glu Val Val Phe	Met		
	335		345		
Gly Met Ala Asn	Ile His Ala Ile Arg	Asn Ser Phe Gln Tyr	Leu		
	350		360		
Arg Ala Val Cys	Ser Gln Met Pro Asp	Pro Ser Asn Trp Leu	Ser		
	365		375		
Ala Leu Glu Ser	Thr Lys Trp Leu Gln	His Leu Ser Val Met	Leu		
	380		390		
Lys Ala Ala Val	Leu Val Ala Asn Thr	Val Asp Arg Glu Gly	Arg		
	395		405		
Pro Val Leu Val	His Cys Ser Asp Gly	Trp Asp Arg Thr Pro	Gln		
	410		420		
Ile Val Ala Leu	Ala Lys Ile Leu Leu	Asp Pro Tyr Tyr Arg	Thr		
	425		435		
Leu Glu Gly Phe	Gln Val Leu Val Glu	Ser Asp Trp Leu Asp	Phe		
	440		450		
Gly His Lys Phe	Gly Asp Arg Cys Gly	His Gln Glu Asn Val	Glu		
	455		465		
Asp Gln Asn Glu	Gln Cys Pro Val Phe	Leu Gln Trp Leu Asp	Ser		
	470		480		
Val His Gln Leu	Leu Lys Gln Phe Ala	Cys Leu Phe Glu Phe	Asn		
	485		495		
Glu Ala Phe Leu	Val Lys Leu Val Gln	His Thr Tyr Ser Cys	Leu		
	500		510		
Tyr Gly Thr Phe	Leu Ala Asn Asn Pro	Cys Glu Arg Glu Lys	Arg		
	515		525		
Asn Ile Tyr Lys	Arg Thr Cys Ser Val	Trp Ala Leu Leu Arg	Ala		
	530		540		
Gly Asn Lys Asn	Phe His Asn Phe Leu	Tyr Thr Pro Ser Ser	Asp		
	545		555		
Met Val Leu His	Pro Val Cys His Val	Arg Ala Leu His Leu	Trp		
	560		570		

Thr	Ala	Val	Tyr	Leu	Pro	Ala	Ser	Ser	Pro	Cys	Thr	Leu	Gly	Glu	575	580	585
Glu	Asn	Met	Asp	Leu	Tyr	Leu	Ser	Pro	Val	Ala	Gln	Ser	Gln	Glu	590	595	600
Phe	Ser	Gly	Arg	Ser	Leu	Asp	Arg	Leu	Pro	Lys	Thr	Arg	Ser	Met	605	610	615
Asp	Asp	Leu	Leu	Ser	Ala	Cys	Asp	Thr	Ser	Ser	Pro	Leu	Thr	Arg	620	625	630
Thr	Ser	Ser	Asp	Pro	Asn	Leu	Asn	Asn	His	Cys	Gln	Glu	Val	Arg	635	640	645
Val	Gly	Leu	Glu	Pro	Trp	His	Ser	Asn	Pro	Glu	Gly	Ser	Glu	Thr	650	655	660
Ser	Phe	Val	Asp	Ser	Gly	Val	Gly	Gly	Pro	Gln	Gln	Thr	Val	Gly	665	670	675
Glu	Val	Gly	Leu	Pro	Pro	Pro	Leu	Pro	Ser	Ser	Gln	Lys	Asp	Tyr	680	685	690
Leu	Ser	Asn	Lys	Pro	Phe	Lys	Ser	His	Lys	Ser	Cys	Ser	Pro	Ser	695	700	705
Tyr	Lys	Leu	Leu	Asn	Thr	Ala	Val	Pro	Arg	Glu	Met	Lys	Ser	Asn	710	715	720
Thr	Ser	Asp	Pro	Glu	Ile	Lys	Val	Leu	Glu	Glu	Thr	Lys	Gly	Pro	725	730	735
Ala	Pro	Asp	Pro	Ser	Ala	Gln	Asp	Glu	Leu	Gly	Arg	Thr	Leu	Asp	740	745	750
Gly	Ile	Gly	Glu	Pro	Pro	Glu	His	Cys	Pro	Glu	Thr	Glu	Ala	Val	755	760	765
Ser	Ala	Leu	Ser	Lys	Val	Ile	Ser	Asn	Lys	Cys	Asp	Gly	Val	Cys	770	775	780
Asn	Phe	Pro	Glu	Ser	Ser	Gln	Asn	Ser	Pro	Thr	Gly	Thr	Pro	Gln	785	790	795
Gln	Ala	Gln	Pro	Asp	Ser	Met	Leu	Gly	Val	Pro	Ser	Lys	Cys	Val	800	805	810
Leu	Asp	His	Ser	Leu	Ser	Thr	Val	Cys	Asn	Pro	Pro	Ser	Ala	Ala	815	820	825
Cys	Gln	Thr	Pro	Leu	Asp	Pro	Ser	Thr	Asp	Phe	Leu	Asn	Gln	Asp	830	835	840
Pro	Ser	Gly	Ser	Val	Ala	Ser	Ile	Ser	His	Gln	Glu	Gln	Leu	Ser	845	850	855
Ser	Val	Pro	Asp	Leu	Thr	His	Gly	Glu	Glu	Asp	Ile	Gly	Lys	Arg	860	865	870
Gly	Asn	Asn	Arg	Asn	Gly	Gln	Leu	Leu	Glu	Asn	Pro	Arg	Phe	Gly	875	880	885
Lys	Met	Pro	Leu	Glu	Leu	Val	Arg	Lys	Pro	Ile	Ser	Gln	Ser	Gln	890	895	900
Ile	Ser	Glu	Phe	Ser	Phe	Leu	Gly	Ser	Asn	Trp	Asp	Ser	Phe	Gln	905	910	915
Gly	Met	Val	Thr	Ser	Phe	Pro	Ser	Gly	Glu	Ala	Thr	Pro	Arg	Arg	920	925	930
Leu	Leu	Ser	Tyr	Gly	Cys	Cys	Ser	Lys	Arg	Pro	Asn	Ser	Lys	Gln	935	940	945
Met	Arg	Ala	Thr	Gly	Pro	Cys	Phe	Gly	Gly	Gln	Trp	Ala	Gln	Arg	950	955	960
Glu	Gly	Val	Lys	Ser	Pro	Val	Cys	Ser	Ser	His	Ser	Asn	Gly	His	965	970	975
Cys	Thr	Gly	Pro	Gly	Gly	Lys	Asn	Gln	Met	Trp	Leu	Ser	Ser	His	980	985	990
Pro	Lys	Gln	Val	Ser	Ser	Thr	Lys	Pro	Val	Pro	Leu	Asn	Cys	Pro	995	1000	1005
Ser	Pro	Val	Pro	Pro	Leu	Tyr	Leu	Asp	Asp	Gly	Leu	Pro	Phe		1010	1015	1020
Pro	Thr	Asp	Val	Ile	Gln	His	Arg	Leu	Arg	Gln	Ile	Glu	Ala	Gly	1025	1030	1035
Tyr	Lys	Gln	Glu	Val	Glu	Gln	Leu	Arg	Arg	Gln	Val	Arg	Glu	Leu			

1040	1045	1050
Gln Met Arg Leu Asp	Ile Arg His Cys Cys Ala Pro Pro Ala Glu	
1055	1060	1065
Pro Pro Met Asp Tyr	Glu Asp Asp Phe Thr Cys Leu Lys Glu Ser	
1070	1075	1080
Asp Gly Ser Asp Thr	Glu Asp Phe Gly Ser Asp His Ser Glu Asp	
1085	1090	1095
Cys Leu Ser Glu Ala	Ser Trp Glu Pro Val Asp Lys Lys Glu Thr	
1100	1105	1110
Glu Val Thr Arg Trp	Val Pro Asp His Met Ala Ser His Cys Tyr	
1115	1120	1125
Asn Cys Asp Cys Glu	Phe Trp Leu Ala Lys Arg Arg His His Cys	
1130	1135	1140
Arg Asn Cys Gly Asn	Val Phe Cys Ala Gly Cys Cys His Leu Lys	
1145	1150	1155
Leu Pro Ile Pro Asp	Gln Gln Leu Tyr Asp Pro Val Leu Val Cys	
1160	1165	1170
Asn Ser Cys Tyr Glu	His Ile Gln Val Ser Arg Ala Arg Glu Leu	
1175	1180	1185
Met Ser Gln Gln Leu	Lys Lys Pro Ile Ala Thr Ala Ser Ser	
1190	1195	

<210> 51

<211> 592

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7525097CD1

<400> 51

Met Leu Pro Glu Ala	Gly Ser Leu Trp Leu Leu Lys Leu Leu Arg	
1	5	10
Asp Ile Gln Leu Ala	Gln Phe Tyr Trp Pro Ile Leu Glu Glu Leu	
20	25	30
Asn Val Thr Arg Pro	Glu His Phe Asp Phe Val Lys Pro Glu Asp	
35	40	45
Leu Asp Gly Ile Glu	Met Gly Arg Pro Ala Gln Arg Arg Leu Ser	
50	55	60
Glu Ala Leu Lys Arg	Leu Arg Ser Gly Pro Lys Ser Lys Asn Trp	
65	70	75
Val Tyr Lys Ile Leu	Gly Gly Phe Ala Pro Glu His Lys Glu Pro	
80	85	90
Thr Leu Pro Ser Asp	Ser Pro Arg His Leu Pro Glu Pro Glu Gly	
95	100	105
Gly Leu Lys Cys Leu	Ile Pro Glu Gly Ala Val Cys Arg Gly Glu	
110	115	120
Leu Leu Gly Ser Gly	Cys Phe Gly Val Val His Arg Gly Leu Trp	
125	130	135
Thr Leu Pro Ser Gly	Lys Ser Val Pro Val Ala Val Lys Ser Leu	
140	145	150
Arg Val Gly Pro Glu	Gly Pro Met Gly Thr Glu Leu Gly Asp Phe	
155	160	165
Leu Arg Glu Val Ser	Val Met Met Asn Leu Glu His Pro His Val	
170	175	180
Leu Arg Leu His Gly	Leu Val Leu Gly Gln Pro Leu Gln Met Val	
185	190	195
Met Glu Leu Ala Pro	Leu Gly Ser Leu His Ala Arg Leu Thr Ala	
200	205	210
Pro Ala Pro Thr Pro	Pro Leu Leu Val Ala Leu Leu Cys Leu Phe	
215	220	225
Leu Arg Gln Leu Ala	Gly Ala Met Ala Tyr Leu Gly Ala Arg Gly	

	230		235		240
Leu Val His Arg	Asp Leu Ala Thr Arg	Asn Leu Leu Leu Ala	Ser		
	245		250		255
Pro Arg Thr Ile	Lys Val Ala Asp Phe	Gly Leu Val Arg Pro	Leu		
	260		265		270
Gly Gly Ala Arg	Gly Arg Tyr Val Met	Gly Gly Pro Arg Pro	Ile		
	275		280		285
Pro Tyr Ala Trp	Cys Ala Pro Glu Ser	Leu Arg His Gly Ala	Phe		
	290		295		300
Ser Ser Ala Ser	Asp Val Trp Met Phe	Gly Ala Gly Pro Ser	Glu		
	305		310		315
Ala Cys Cys Val	Arg Asp Val Thr Glu	Pro Gly Ala Leu Arg	Met		
	320		325		330
Glu Thr Gly Asp	Pro Ile Thr Val Ile	Glu Gly Ser Pro Asp	Ser		
	335		340		345
Thr Ile Trp Lys	Gly Gln Asn Gly Arg	Thr Phe Lys Val Gly	Ser		
	350		355		360
Phe Pro Ala Ser	Ala Val Thr Leu Ala	Asp Ala Gly Gly Leu	Pro		
	365		370		375
Ala Thr Arg Pro	Val His Arg Gly Thr	Pro Ala Arg Gly Asp	Gln		
	380		385		390
His Pro Gly Ser	Ile Asp Gly Asp Arg	Lys Lys Ala Asn Leu	Trp		
	395		400		405
Asp Ala Pro Pro	Ala Arg Gly Gln Arg	Arg Asn Met Pro Leu	Glu		
	410		415		420
Arg Met Lys Gly	Ile Ser Arg Ser Leu	Glu Ser Val Leu Ser	Leu		
	425		430		435
Gly Pro Arg Pro	Thr Gly Gly Gly Ser	Ser Pro Pro Glu Ile	Arg		
	440		445		450
Gln Ala Arg Ala	Val Pro Gln Gly Pro	Pro Gly Leu Pro Pro	Arg		
	455		460		465
Pro Pro Leu Ser	Ser Ser Ser Pro Gln	Pro Ser Gln Pro Ser	Arg		
	470		475		480
Glu Arg Leu Pro	Trp Pro Lys Arg Lys	Pro Pro His Asn His	Pro		
	485		490		495
Met Gly Met Pro	Gly Ala Arg Lys Ala	Ala Ala Leu Ser Gly	Gly		
	500		505		510
Leu Leu Ser Asp	Pro Glu Leu Gln Arg	Lys Ile Met Glu Met	Glu		
	515		520		525
Leu Ser Val His	Gly Val Thr His Gln	Glu Cys Gln Thr Ala	Leu		
	530		535		540
Gly Ala Thr Gly	Gly Asp Val Val Ser	Ala Ile Arg Asn Leu	Lys		
	545		550		555
Val Asp Gln Leu	Phe His Leu Ser Ser	Arg Ser Arg Ala Asp	Cys		
	560		565		570
Trp Arg Ile Leu	Glu His Tyr Gln Trp	Asp Leu Ser Ala Ala	Ser		
	575		580		585
Arg Tyr Val Leu	Ala Arg Pro				
	590				

<210> 52

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7525117CD1

<400> 52

Met Ala Gln Lys Glu Asn Ser Tyr Pro Trp Pro Tyr Gly Arg Gln

1

5

10

15

Thr Ala Pro Ser Gly Leu Ser Thr Leu Pro Gln Arg Val Leu Arg

	20		25		30									
Lys	Glu	Pro	Val	Thr	Pro	Ser	Ala	Leu	Val	Leu	Met	Ser	Arg	Ser
	35		40		45									
Asn	Val	Gln	Pro	Thr	Ala	Ala	Pro	Gly	Gln	Lys	Val	Met	Glu	Asn
	50		55		60									
Ser	Ser	Gly	Thr	Pro	Asp	Ile	Leu	Thr	Arg	His	Phe	Thr	Ile	Asp
	65		70		75									
Asp	Phe	Glu	Ile	Gly	Arg	Pro	Leu	Gly	Lys	Gly	Lys	Phe	Gly	Asn
	80		85		90									
Val	Tyr	Leu	Ala	Arg	Glu	Lys	Lys	Ser	His	Phe	Ile	Val	Ala	Leu
	95		100		105									
Lys	Pro	Ser	Gln	His	Pro	Ala	Ser	Leu	Gln	Leu	Phe	Leu		
	110		115											

<210> 53
 <211> 564
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7516593CD1

<400> 53

Met	Ser	Ala	Ala	Val	Thr	Ala	Gly	Lys	Leu	Ala	Arg	Ala	Pro	Ala
1				5					10					15
Asp	Pro	Gly	Lys	Ala	Gly	Val	Pro	Gly	Val	Ala	Ala	Pro	Gly	Ala
				20					25					30
Pro	Ala	Ala	Ala	Pro	Pro	Ala	Lys	Glu	Ile	Pro	Glu	Val	Leu	Val
				35					40					45
Asp	Pro	Arg	Ser	Arg	Arg	Arg	Tyr	Val	Arg	Gly	Arg	Phe	Leu	Gly
				50					55					60
Lys	Gly	Gly	Phe	Ala	Lys	Cys	Phe	Glu	Ile	Ser	Asp	Ala	Asp	Thr
				65					70					75
Lys	Glu	Val	Phe	Ala	Gly	Lys	Ile	Val	Pro	Lys	Ser	Leu	Leu	Leu
				80					85					90
Lys	Pro	His	Gln	Arg	Glu	Lys	Met	Ser	Met	Glu	Ile	Ser	Ile	His
				95					100					105
Arg	Ser	Leu	Ala	His	Gln	His	Val	Val	Gly	Phe	His	Gly	Phe	Phe
				110					115					120
Glu	Asp	Asn	Asp	Phe	Val	Phe	Val	Val	Leu	Glu	Leu	Cys	Arg	Arg
				125					130					135
Arg	Ser	Leu	Leu	Glu	Leu	His	Lys	Arg	Arg	Lys	Ala	Leu	Thr	Glu
				140					145					150
Pro	Glu	Ala	Arg	Tyr	Tyr	Leu	Arg	Gln	Ile	Val	Leu	Gly	Cys	Gln
				155					160					165
Tyr	Leu	His	Arg	Asn	Arg	Val	Ile	His	Arg	Asp	Leu	Lys	Leu	Gly
				170					175					180
Asn	Leu	Phe	Leu	Asn	Glu	Asp	Leu	Glu	Val	Lys	Ile	Gly	Asp	Phe
				185					190					195
Gly	Leu	Ala	Thr	Lys	Val	Glu	Tyr	Asp	Gly	Glu	Arg	Lys	Lys	Thr
				200					205					210
Leu	Cys	Gly	Thr	Pro	Asn	Tyr	Ile	Ala	Pro	Glu	Val	Leu	Ser	Lys
				215					220					225
Lys	Gly	His	Ser	Phe	Glu	Val	Asp	Val	Trp	Ser	Ile	Gly	Cys	Ile
				230					235					240
Met	Tyr	Thr	Leu	Leu	Val	Gly	Lys	Pro	Pro	Phe	Glu	Thr	Ser	Cys
				245					250					255
Leu	Lys	Glu	Thr	Tyr	Leu	Arg	Ile	Lys	Lys	Asn	Glu	Tyr	Ser	Ile
				260					265					270
Pro	Lys	His	Ile	Asn	Pro	Val	Ala	Ala	Ser	Leu	Ile	Gln	Lys	Met
				275					280					285
Leu	Gln	Thr	Asp	Pro	Thr	Ala	Arg	Pro	Thr	Ile	Asn	Glu	Leu	Leu

Asn Asp Glu Phe	290	Phe Thr Ser Gly Tyr	295	Ile Pro Ala Arg Leu	300
305		310		315	
Ile Thr Cys Leu	320	Thr Ile Pro Pro Arg	325	Phe Ser Ile Ala Pro	330
Ser Leu Asp Pro	335	Ser Asn Arg Lys Pro	340	Leu Thr Val Leu Asn	345
Gly Leu Glu Asn	350	Pro Leu Pro Glu Arg	355	Pro Arg Glu Lys Glu	360
Pro Val Val Arg	365	Glu Thr Gly Glu Val	370	Val Asp Cys His Leu	375
Asp Met Leu Gln	380	Gln Leu His Ser Val	385	Asn Ala Ser Lys Pro	390
Glu Arg Gly Leu	395	Val Arg Gln Glu Glu	400	Ala Glu Asp Pro Ala	405
Ile Pro Ile Phe	410	Trp Val Ser Lys Trp	415	Val Asp Tyr Ser Asp	420
Tyr Gly Leu Gly	425	Tyr Gln Leu Cys Asp	430	Asn Ser Val Gly Val	435
Phe Asn Asp Ser	440	Thr Arg Leu Ile Leu	445	Tyr Asn Asp Gly Asp	450
Leu Gln Tyr Ile	455	Glu Arg Asp Gly Thr	460	Glu Ser Tyr Leu Thr	465
Ser Ser His Pro	470	Asn Ser Leu Met Lys	475	Lys Ile Thr Leu Leu	480
Tyr Phe Arg Asn	485	Tyr Met Ser Glu His	490	Leu Leu Lys Ala Gly	495
Asn Ile Thr Pro	500	Arg Glu Gly Asp Glu	505	Leu Ala Arg Leu Pro	510
Leu Arg Thr Trp	515	Phe Arg Thr Arg Ser	520	Ala Ile Ile Leu His	525
Ser Asn Gly Ser	530	Val Gln Ile Asn Phe	535	Phe Gln Val Ser Trp	540
Ser Pro Gly Ala	545	Gly Glu Ser Trp Gly	550	Arg Leu Arg Met Pro	555
Ser Gly Pro Cys	560	Gly Leu Asn Val Glu			

<210> 54

<211> 244

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7516603CD1

<400> 54

Met Ser Gly Pro Arg	Pro Val Val Leu Ser Gly Pro Ser Gly Ala
1	5 10 15
Gly Lys Ser Thr Leu	Leu Lys Arg Leu Leu Gln Glu His Ser Gly
20	25 30
Ile Phe Gly Phe Ser	Val Ser His Thr Thr Arg Asn Pro Arg Pro
35	40 45
Gly Glu Glu Asn Gly	Lys Asp Tyr Tyr Phe Val Thr Arg Glu Val
50	55 60
Met Gln Arg Asp Ile	Ala Ala Gly Asp Phe Ile Glu His Ala Glu
65	70 75
Phe Ser Gly Asn Leu	Tyr Gly Thr Ser Lys Val Ala Val Gln Ala
80	85 90
Val Gln Ala Met Asn	Arg Ile Cys Val Leu Asp Val Asp Leu Gln
95	100 105
Gly Val Arg Asn Ile	Lys Ala Thr Asp Leu Arg Pro Ile Tyr Ile

	110		115		120
Ser Val Gln Pro	Pro Ser Leu His Val	Leu Glu Gln Arg Leu Arg			
	125		130		135
Gln Arg Asn Thr	Glu Thr Glu Glu Ser	Leu Val Lys Arg Leu Ala			
	140		145		150
Ala Ala Gln Ala	Asp Met Glu Ser Ser	Lys Glu Pro Gly Leu Phe			
	155		160		165
Asp Val Val Ile	Ile Asn Asp Ser Leu	Asp Gln Ala Tyr Ala Glu			
	170		175		180
Leu Lys Glu Ala	Leu Ser Glu Val Gly	Pro Ser Leu Cys Leu Pro			
	185		190		195
Gly Gln Gly Pro	Arg Gly Gly Leu Gly	Ala Arg Pro Leu Leu Ser			
	200		205		210
Met Arg Pro Leu	Arg Lys Ser Arg Lys	Leu Lys Gly Pro Ala Pro			
	215		220		225
Glu Ala Cys Cys	Leu Phe Ser Ala Pro	Arg Ala His Thr Gly Pro			
	230		235		240
Gly Gln Gln His					

<210> 55

<211> 698

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7525215CD1

<400> 55

Met Glu Leu Trp	Asp Val Ser Leu Gln	Asp Pro Arg Asp Arg Phe
1	5	10 15
Glu Leu Leu Gln	Arg Val Gly Ala Gly	Thr Tyr Gly Asp Val Tyr
	20	25 30
Lys Ala Arg Asp	Thr Val Thr Ser Glu	Leu Ala Ala Val Lys Ile
	35	40 45
Val Lys Leu Asp	Pro Gly Asp Asp Ile	Ser Ser Leu Gln Gln Glu
	50	55 60
Ile Thr Ile Leu	Arg Glu Cys Arg His	Pro Asn Val Val Ala Tyr
	65	70 75
Ile Gly Ser Tyr	Leu Arg Asn Asp Arg	Leu Trp Ile Cys Met Glu
	80	85 90
Phe Cys Gly Gly	Gly Ser Leu Gln Glu	Ile Tyr His Ala Thr Gly
	95	100 105
Pro Leu Glu Glu	Arg Gln Ile Ala Tyr	Val Cys Arg Glu Ala Leu
	110	115 120
Lys Gly Leu His	His Leu His Ser Gln	Gly Lys Ile His Arg Asp
	125	130 135
Ile Lys Gly Ala	Asn Leu Leu Leu Thr	Leu Gln Gly Asp Val Lys
	140	145 150
Leu Ala Asp Phe	Gly Val Ser Gly Glu	Leu Thr Ala Ser Val Ala
	155	160 165
Lys Arg Arg Ser	Phe Ile Gly Thr Pro	Tyr Trp Met Ala Pro Glu
	170	175 180
Val Ala Ala Val	Glu Arg Lys Gly Gly	Tyr Asn Glu Leu Cys Asp
	185	190 195
Val Trp Ala Pro	Gly Ile Thr Ala Ile	Glu Leu Gly Glu Leu Gln
	200	205 210
Pro Pro Leu Phe	His Leu His Pro Met	Arg Ala Leu Met Leu Met
	215	220 225
Ser Lys Ser Ser	Phe Gln Pro Ala Lys	Leu Arg Asp Lys Thr Arg
	230	235 240
Trp Thr Gln Asn	Phe His His Phe Leu	Lys Leu Ala Leu Thr Lys

Asn Pro Lys Lys	245	Arg Pro Thr Ala Glu	250	Lys Leu Leu Gln His	255
	260	Leu Pro Arg Ala	265	Leu Leu Thr Gln Leu Leu	270
Phe Thr Thr Gln	275		280		285
Asp Lys Ala Ser	290	Asp Pro His Leu Gly	295	Thr Pro Ser Pro Glu Asp	300
Cys Glu Leu Glu	305	Thr Tyr Asp Met Phe	310	Pro Asp Thr Ile His Ser	315
Arg Gly Gln His	320	Gly Pro Ala Glu Arg	325	Thr Pro Ser Glu Ile Gln	330
Phe His Gln Val	335	Lys Phe Gly Ala Pro	340	Arg Arg Lys Glu Thr Asp	345
Pro Leu Asn Glu	350	Pro Trp Glu Glu Glu	355	Thr Leu Leu Gly Lys	360
Glu Glu Leu Ser	365	Gly Ser Leu Leu Gln	370	Ser Val Gln Glu Ala Leu	375
Glu Glu Arg Ser	380	Leu Thr Ile Arg Ser	385	Ala Ser Glu Phe Gln Glu	390
Leu Asp Ser Pro	395	Asp Asp Thr Met Gly	400	Thr Ile Lys Arg Ala Pro	405
Phe Leu Gly Pro	410	Leu Pro Thr Asp Pro	415	Pro Ala Glu Glu Pro Leu	420
Ser Ser Pro Pro	425	Gly Thr Leu Pro Pro	430	Pro Pro Ser Gly Pro Asn	435
Ser Ser Pro Leu	440	Leu Pro Thr Ala Trp	445	Ala Thr Met Lys Gln Arg	450
Glu Asp Pro Glu	455	Arg Ser Ser Cys His	460	Gly Leu Pro Pro Thr Pro	465
Lys Val His Met	470	Gly Ala Cys Phe Ser	475	Lys Val Phe Asn Gly Cys	480
Pro Leu Arg Ile	485	His Ala Ala Val Thr	490	Trp Ile His Pro Val Thr	495
Arg Asp Gln Phe	500	Leu Val Val Gly Ala	505	Glu Glu Gly Ile Tyr Thr	510
Leu Asn Leu His	515	Glu Leu His Glu Asp	520	Thr Leu Glu Lys Leu Ile	525
Ser His Arg Cys	530	Ser Trp Leu Tyr Cys	535	Val Asn Asn Val Leu Leu	540
Ser Leu Ser Gly	545	Lys Ser Thr His Ile	550	Trp Ala His Asp Leu Pro	555
Gly Leu Phe Glu	560	Gln Arg Arg Leu Gln	565	Gln Gln Val Pro Leu Ser	570
Ile Pro Thr Asn	575	Arg Leu Thr Gln Arg	580	Ile Ile Pro Arg Arg Phe	585
Ala Leu Ser Thr	590	Lys Ile Pro Asp Thr	595	Lys Gly Cys Leu Gln Cys	600
Arg Val Val Arg	605	Asn Pro Tyr Thr Gly	610	Ala Thr Phe Leu Leu Ala	615
Ala Leu Pro Thr	620	Ser Leu Leu Leu Leu	625	Gln Trp Tyr Glu Pro Leu	630
Gln Lys Phe Leu	635	Leu Leu Lys Val Arg	640	Gly Gly Gly Gly Arg Pro	645
Arg Ala Pro Ser	650	Glu Leu Trp Gly Glu	655	Lys Trp Arg Pro Glu His	660
Pro Cys Cys Pro	665	Leu Glu Leu Leu Gln	670	Pro Ser Ala Gln Pro Ser	675
Trp Asp Ala Gly	680	Ala Ala Gly Ala Gly	685	Trp Glu Gly Ala Ala Ala	690
Gly Val Cys Trp	695	Gly Arg Gly Ala			

<210> 56

<211> 486
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7525356CD1

<400> 56
 Met Ala Thr Ala Glu Lys Gln Lys His Asp Gly Arg Val Lys Ile
 1 5 10 15
 Gly His Tyr Ile Leu Gly Asp Thr Leu Gly Val Gly Thr Phe Gly
 20 25 30
 Lys Val Lys Val Gly Lys His Glu Leu Thr Gly His Lys Val Ala
 35 40 45
 Val Lys Ile Leu Asn Arg Gln Lys Ile Arg Ser Leu Asp Val Val
 50 55 60
 Gly Lys Ile Arg Arg Glu Ile Gln Asn Leu Lys Leu Phe Arg His
 65 70 75
 Pro His Ile Ile Lys Leu Tyr Gln Val Ile Ser Thr Pro Ser Asp
 80 85 90
 Ile Phe Met Val Met Glu Tyr Val Ser Gly Gly Glu Leu Phe Asp
 95 100 105
 Tyr Ile Cys Lys Asn Gly Arg Leu Asp Glu Lys Glu Ser Arg Arg
 110 115 120
 Leu Phe Gln Gln Ile Leu Ser Gly Val Asp Tyr Cys His Arg His
 125 130 135
 Met Val Val His Arg Asp Leu Lys Pro Glu Asn Val Leu Leu Asp
 140 145 150
 Ala His Met Asn Ala Lys Ile Ala Asp Phe Gly Leu Ser Asn Met
 155 160 165
 Met Ser Asp Gly Glu Phe Leu Arg Thr Ser Cys Gly Ser Pro Asn
 170 175 180
 Tyr Ala Ala Pro Glu Val Ile Ser Gly Arg Leu Tyr Ala Gly Pro
 185 190 195
 Glu Val Asp Ile Trp Ser Ser Gly Val Ile Leu Tyr Ala Leu Leu
 200 205 210
 Cys Gly Thr Leu Pro Phe Asp Asp Asp His Val Pro Thr Leu Phe
 215 220 225
 Lys Lys Ile Cys Asp Gly Ile Phe Tyr Thr Pro Gln Tyr Leu Asn
 230 235 240
 Pro Ser Val Ile Ser Leu Leu Lys His Met Leu Gln Val Asp Pro
 245 250 255
 Met Lys Arg Ala Thr Ile Lys Asp Ile Arg Glu His Glu Trp Phe
 260 265 270
 Lys Gln Asp Leu Pro Lys Tyr Leu Phe Pro Glu Asp Pro Ser Tyr
 275 280 285
 Ser Ser Thr Met Ile Asp Asp Glu Ala Leu Lys Glu Val Cys Glu
 290 295 300
 Arg Val Pro Phe Leu Val Ala Glu Thr Pro Arg Ala Arg His Thr
 305 310 315
 Leu Asp Glu Leu Asn Pro Gln Lys Ser Lys His Gln Gly Val Arg
 320 325 330
 Lys Ala Lys Trp His Leu Gly Ile Arg Ser Gln Ser Arg Pro Asn
 335 340 345
 Asp Ile Met Ala Glu Val Cys Arg Ala Ile Lys Gln Leu Asp Tyr
 350 355 360
 Glu Trp Lys Val Val Asn Pro Tyr Tyr Leu Arg Val Arg Arg Lys
 365 370 375
 Asn Pro Val Thr Ser Thr Tyr Ser Lys Met Ser Leu Gln Leu Tyr
 380 385 390
 Gln Val Asp Ser Arg Thr Tyr Leu Leu Asp Phe Arg Ser Ile Asp
 395 400 405

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Asp Glu Ile Thr Glu Ala Lys Ser Gly Thr Ala Thr Pro Gln Arg
      410                      415                      420
Ser Gly Ser Val Ser Asn Tyr Arg Ser Cys Gln Arg Ser Asp Ser
      425                      430                      435
Asp Ala Glu Ala Gln Gly Lys Ser Ser Glu Val Ser Leu Thr Ser
      440                      445                      450
Ser Val Thr Ser Leu Asp Ser Ser Pro Val Asp Leu Thr Pro Arg
      455                      460                      465
Pro Gly Ser His Thr Ile Glu Phe Phe Glu Met Cys Ala Asn Leu
      470                      475                      480
Ile Lys Ile Leu Ala Gln
      485

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<210> 57
<211> 1395
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7521809CB1

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<400> 57
tagctgtgtg gcccgagtg agattcagaa agtccttgat agcttgacagg agcatctgat 60
gaatgatcca gatgttcaag ctcaagttca ggtattatcc gctgcactga gagctgcaca 120
gctcgactgc gtgaatgaag ctgagagcaa gccaacagca ggcctaaagg aagtgtccat 180
ttcacatccc agctctgcct ctgacaatca gatcgctctg gcggcctcat catctcagga 240
tgagctcttt gtggccagga tattacaaag ccagatcca ggtggacca gaaatggaac 300
cagtaccat ctggagactg accagaggca ggatcccacc ccacttgaag agaataaatc 360
taaattacag gatgtaatac ctcagccgct gctagatcag tatgtgtcca tgactgaccc 420
agctcgagcc cagactgtcg atactgacat agccaaacac tgtgcctaca gcctcccagg 480
ggtggcactg accctgggca ggcaaaattg gcaactgcctg aaagatacat atgaaacact 540
ggcttctgat gtacagtga aggtacggcg agccctagcc ttctccattc acgagctggc 600
tgtgattctt ggggatcagt taacagcagc tgacctggtg cctatcttca atggattttt 660
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agctgatact gattctggaa ctctatagtc ccaatgatgt ttatgattac ctaatgcaca 780
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tcaatgagct catcataagg ttccggcact gttctaagt ggttggaagg caagctttcg 960
ctttcatttg tcagattctg aaatgacttc tttgggatta aagaagtgtg tgtttctaga 1020
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aggagtgtgt ccccgaggac cagttcatgg agcacctgct tcccagcctc ctgagcctcg 1140
catcagatcc tgtgcccaac gtgagggttc tgctagccaa ggccctaagg cagatgctgt 1200
tggaaaaggc gtattttaga aatgctggta accctcatct tgaagtcatt gaagagacca 1260
tcttagcatt gcagtcagac cgggaccaag atgtttcctt ttttgagcc ctagaacca 1320
gcggcggaat atcatagaca ctgctgtact agaaaaacag aattaactac ttccgtgatg 1380
agttgcaatc tgata                                     1395

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<210> 58
<211> 1008
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7520259CB1

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<400> 58
ccgcgatgca gaaatacgag aaactggaaa agattgggga aggaggcatt tcctggctta 60
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ctgtgttcaa ggccaaaaac cgggagactc atgagatcgt ggctctgaaa cgggtgaggc 180
tggatgacga tgatgagggt gtgccgagtt ccgccctccg ggagatctgc ctactcaagg 240
agctgaagca caagaacatc gtcaggcttc atgacgtcct gcacagcgac aagaagctga 300

```

```

ctttgggtttt tgaattctgt gaccaggacc tgaagaagta ttttgacagt tgcaatgggtg 360
acctcgatcc tgagattgta aagtcattcc tcttccagct actaaaaggg ctgggattct 420
gtcatagccg caatgtgcta cacagggacc tgaagcccca gaacctgcta ataaacagga 480
atggggagct gaaattggct gatlttggcc tggctcgagc ctttgggatt cccgtccgct 540
gttactcagc tgaggtggtc aactgtgggt accgcccacc ggatgtcctc tttggggcca 600
agctgtactc cacgtccatc gacatgtggg cagccggctg catctttgca gagctggcca 660
atgctgggcg gcctcttttt cccggcaatg atgtcgatga ccagttgaag aggatcttcc 720
gactgctggg gacgcccacc gaggagcagt ggccctctat gaccaagctg ccagactata 780
agccctatcc gatgtaccgg gccacaacat ccctgggtgaa cgctgtgccc aaactcaatg 840
ccacagggag ggatctgctg cagaaccttc tgaagtgtaa ccctgtccag cgtatctcag 900
cagaagaggc cctgcagcac ccctacttct ccgacttctg tccgccctag gcccggggac 960
ccccggcctc caggtctgggg cctggcctat ttaagccccc tcttgaga 1008

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<210> 59
 <211> 654
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7521738CB1

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<400> 59
taccgcaggc cccgatcacg ctggggggcg tgaggccggc catgggtcgtg gaagtgggca 60
ccctggagcg tggaggcctg cgggcgctgc tgggggagcg agcggcgcaa tgctgctgc 120
tggactgccg ctctctcttc gctttcaacg cgggccacat cgccggctct gtcaacgtgc 180
gcttcagcac catcgtgcgg cgccgggcca agggcgccat gggcctggag cacatcgtgc 240
ccaacgcgca gctccgcggc cgctgtctgg cgggcgccta ccacgcctg gtgtgtttg 300
tccactgccca ggcaggcatt tcccggtcag ccaccatctg ccttgcttac cttatgagga 360
ctaactcagat caagctggac gaggcctttg agtttgtgaa gcagaggcga agcatcatct 420
ctcccaactt cagcttcatg ggccagctgc tgcagtttga gtcccagggt ctggctccgc 480
actgttcggc agaggctggg agccccgcca tggctgtgct cgaccgaggg acctccacca 540
ccaccgtgtt caacttcccc gtctccatcc ctgtccactc cacgaacagt gcgtcgagct 600
accttcagag cccattacg acctctccca gctgctgaaa ggccacggga ggta 654

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<210> 60
 <211> 1024
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522266CB1

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<400> 60
tagtgtctgt cgctgctgcc ggggtccacc agcctccgcc atggacctct tcggggacct 60
gccggagccc gagcgctcgc cgcgcccggc tgccgggaaa gaagctcaga aaggaccct 120
gctctttgat gacctccctc cggccagcag tactgactca ggatcagggg gacctttgct 180
ttttgatgat ctcccaccgg ctagcagtg gattcaggt tctcttgcca catcaatct 240
ccagatggta aagactgaag ggaaaggagc aaagagaaaa acctccgagg aagagaagaa 300
tggcagtgaa gagcttgtgg aaaagaaagt ttgtaaagga gatgtaatca gtgtagagaa 360
aaccgtgaag agatgccttt tggacacttt caagcatact gatgaagagt tccttaaaca 420
agcttccagc cagaagcctg cctggaaaga tgggtccact gccacgtgtg ttctggctgt 480
agacaacatt ctttatattg ccaacctcgg agatagtcgg gcaatcttgt gtcgttataa 540
tgaggagagt caaaaacatg cagccttaag cctcagcaaa gagcataatc caactcagta 600
tgaaagagcg atgaggatac agaaggctgg aggaaacgtc agggatgggc gtgttttggg 660
cgtgctagag gtgtcacgct ccattgggga cgggcagtac aagcgctgcg gtgtcacctc 720
tgtgcccagc atcagacgct gccagctgac cccaatgac aggttcattt tgttggcctg 780
tgatgggctc ttcaaggtct ttaccccaga agaagccgtg aacttcatct tgtcctgtct 840
cgaggatgaa aagatccaga cccgggaagg gaagtccgca gccgacgcc gctacgaagc 900
agcctgcaac aggtctggca acaaggcggg gcagcggggc tcggccgaca acgtcactgt 960
gatggtggtg cggatagggc actgaggggt ggcgcgcggc caggagcacg catggtattg 1020
acta 1024

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<210> 61
 <211> 952
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523011CB1

<400> 61
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 caggatgacg ctggacgtgg ggccggagga tgagctgccc gactgggccc ccgccaaaga 120
 gttttaccag aagtacgacc ctaaggacgt catcggcaga ggagtgagct ctgtgggtccg 180
 ccgttgtgtt catcgagcta ctggccacga gtttgcggtg aagattatgg aagtgcacagc 240
 tgagcggctg agtctgagc agctggagga ggtgcgggaa gccacacggc gagagacaca 300
 catccttcgc cagtcaccct catcgattcc tacgagtctt ctagcttcat gttcctgggtg 360
 tttgacctga tgcggaaggg agagctgttt gactatctca cagagaagggt ggccctctct 420
 gaaaaggaaa ccagggtccat catgcggtct ctgctggaag cagtgcgctt tctccatgcc 480
 aacaacattg tgcctcgaga tctgaagccc gagaatattc tcctagatga caatatgcag 540
 atccgacttt cagatttcgg gttctcctgc cacttggaaac ctggcgagaa gcttcgagag 600
 ttgtgtggga ccccagggtg tctagcgcca gagatcctta aatgctccat ggatgaaacc 660
 caccaggtat atggcaagga ggtcgacctc tggggcctgt ggggtgatct tgttcacact 720
 ccttggttag gttcgcacc cttctggcac cggcgaggaga tcctgatgtt acgcattgatc 780
 catggaggcc cagttaccag tcagttcccc cgaagtggga tgaccggttc cagcaactgt 840
 caaagaactt gatctccagg ctggtgcagg tggatcctga ggcaccgcct gacaggtgac 900
 aggctaaag acccttcttt gagcttggaa gggagcaacc tggacttacc gc 952

<210> 62
 <211> 1200
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523290CB1

<400> 62
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 cagtgtccgg tcgaccgag cctgctgaag ttgaaaatgg tgcaggctcg gtttcgacac 180
 ggggctcgga gtcctctcaa gccgctccc ctggaggagc aggggggcat gtttgctggg 240
 cagctgacca aggtgggcat gcagcaaatg tttgccttgg gagagagact gaggaagaac 300
 tatgtggaag acattccctt tctttcacca acctcaacc cacaggaggt ctttattcgt 360
 tccactaaca tttttcggaa tctggagtcc acccgttgtt tgctggctgg gcttttcag 420
 tgtcagaaaag aagataagag aaccaagaca cagagaggct cagtgccttgc cccagggaca 480
 caaaactgga cccatcatca tccacactga tgaagcagat tcagaagtct tgtatcccaa 540
 ctaccaaagc tgctggagcc tgaggcagag aaccagaggc cggaggcaga ctgcctcttt 600
 acagccagga atctcagagg atttgaaaaa ggtgaaggac aggatgggca ttgacagtag 660
 tgataaagtg gacttcttca tctccttga caacgtggct gccgagcagg agaagatggg 720
 ctctgcagg ttccatggaa cctgatcagc tgccagaatc agtagggaaa gtcttcagat 780
 ggcagtaggc ccattcctcc acatcctaga gagcaacctg ctgaaagcca tggactctgc 840
 cactgcccc gacaagatca gaaagctgta tctctatgcg gctcatgatg tgaccttcat 900
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 gaccatggaa ctttaccagc acctggaatc taaggagtgg tttgtgcagc tctattacca 1020
 cgggaaggag caggtgccga gaggttgccc tgatgggctc tgcccgtctg acatgttctt 1080
 gaatgccatg tcagtttata ccttaagccc agaaaaatac catgcactct gctctcaaac 1140
 tcaggtgatg gaagttggaa atgaagagta actgatattt aaaagcagga tgtgttgata 1200

<210> 63
 <211> 1162
 <212> DNA
 <213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7523379CB1

<400> 63
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gctttgaaag actaggggaat tgaaattcgg agagatcaag tccccacct ggcccgttgc 180
taccacacct acacgtcgtg gagctgactc tgagcccagg gagaagatac ccattatcag 240
aaaaaaaaat tatgcactat atgtaccagt tatgtaagtc cctggatcat attcacagaa 300
atggaatatt tcacagagat gtaaaaccag aaaatatact aataaagcag gatgtcctga 360
aattagggga ctttggctcc tgccggagtg tctattccaa gcagccgtac acggaatgca 420
tctccacccg ctggtaccgg gccccggagt gtctcctcac tgatgggttc tacacgtaca 480
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ttcctggagt aaatgaactg gaccaaactc caaaaatcca cgatgtcatc ggacaccccg 600
ctcagaagat cctcaccaag ttcaaacagg atcaggaata cctctactaa caaccaattt 660
gtccccacaa tgctctctcc tcctgcacgc aatgggtggc tatgatcccg atgagagaat 720
cgctgccccac caggccctgc agcaccctta cttccaagaa cagagggaaa cagagaagcg 780
ggctctgggc agccacagaa aagctggctt tccggagcac cctgtggcac cggaaccact 840
cagtaacagc tgccagattt ccaaggaggg cagaaagcag aaacagtccc taaagcaaga 900
ggaggaccgt cccaagagac gaggaccggc ctatgtcatg gaactgccc aactaaagct 960
ttcgggagtg gtcagactgt cgtcttactc cagccccacg ctgcagtcg tgcttggatc 1020
tggaacaaat ggaagagtgc cgggtgctgag acccttgaag tgcacccctg cgagcaagaa 1080
gacagatccg cagaaggacc ttaagcctgc cccgcagcag tgtcgctgc ccaccatag 1140
gcggaaaggc ggaagataac ta 1162

<210> 64
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7523387CB1

<400> 64
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ttggaacgtg gcttcggcag cgcctcctct agatctcagt gacctgcttc agctgaacaa 120
ccggaacctc aatcttgaca tatatgttat tgggtgagaaa aaacgcaagc ctgcatggac 180
cgatcgatc ctgtggaggc tgaagcggca gccctgtgct ggcccgcaca ctccataacc 240
gccggcgctc cacttctcct tgtctctgag gggctacagc agccacatga cgtacggcat 300
cagcgaccac aagcctgtct ccggcacgtt cgacttggag ctgaagccat tgggtgtctgc 360
tccgctgac gtcctgatgc ccgaggacct gtggaccgtg gaaaatgaca tgatggctag 420
ctactcttca acctcggact tccccagcag cccatgggac tggattggac tgtacaaggt 480
ggggctgcgg gacgttaatg actacgtgtc ctatgcctgg gtcggggaca gcaaggtctc 540
ctgcagcgac aacctgaacc aggtttacat cgacatcagc aatatcccta ccaactgaaga 600
tgagtttctc ctctgttact acagcaacag tctgcgttct gtgggtgggga taagcagacc 660
cttcagatc ccgcctggct ccttgaggga ggaccactg ggtgaagcac agccacagat 720
ctgagccagg ata 733

<210> 65
<211> 1336
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7521804CB1

<400> 65
taggcaggat gagcatcgag atccccggcg gactgacgga gctgctgcag ggcttcacgg 60
tgagggtgct gaggcaccag cccgcggacc tgctggagtt cgcgctgcag cacttcaccc 120
gcctgcagca ggagaacgag cgcaaaggca ccgcgcgtt cggccatgag ggcaggacct 180

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gggggggacct gggcgccgct gccggggggcg gcacccccag caaggggggtc aacttcgccg 240
aggagcccat gcagtcggac tccgaggacg gggaggagga ggaggcgcg cccgcggacg 300
cagggcggtt caatgctcca gtaataaacc gattcacaag gcgtgcctca gtatgtgcag 360
aagcttataa tcctgatgaa gaagaagatg atgcagagtc caggattata catccaaaaa 420
ctgatgatca aagaaatagg ttgcaagagg cttgcaaaga catcctgctg tttagaatc 480
tggtatccgat ttggttctc atggtctgga gtggagcctg aaaagtctgc atttctcaca 540
agctcccagg agcagatgtc tcaagtatta gatgccatgt ttgaaaaatt ggtcaaagat 600
ggggagcatg taattgatca aggtgacgat ggtgacaact tttatgtaat tgatagaggc 660
acatttgata tttatgtgaa atgtgatggt gttggaagat gtgttggtta ctatgataat 720
cgtgggagtt tcggcgaaact ggccttaatg tacaatacac ccagagcagc tacaatcact 780
gctacctctc ctggtgctct gtgggggttg gacagggtaa ccttcaggag aataattgtg 840
aaaaacaatg ccaaaaagag aaaaatgtat gaaagcttta ttgagtcact gccattcctt 900
aaatctttgg agttttctga acgcctgaaa gtagtagatg tgataggcac caaagtatac 960
aacgatggag aacaaatcat tgcttaggga gattcggctg attctttttt cattgtagaa 1020
tctggagaag tgaaaattac tatgaaaaga aagggtaaat cagaagtgga agagaatggt 1080
gcagtagaaa tcgctcgatg ctgcggggga cagtactttg gagagcttgc cctagtaact 1140
aacaacctc gagcagcttc tgcccacgcc attgggactg tcaaatgttt agcaatggat 1200
gtgcaagcat ttgaaaggct tctgggacct tgcatggaaa ttatgaaaag gaacatcgct 1260
acctatgaag aacagttagt tgccctgttt ggaacgaaca tggatattgt tgaaccact 1320
gcataagca aaagta                                     1336

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<210> 66

<211> 978

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521841CB1

<400> 66

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tatggcggag ccagatctgg agtgcgagca gatccgtctg aagtgtattc atcgggcccc 60
ggacacccag acagatgaga ttgtgcgact gaagaagggtg cggatggaca aggagaagga 120
tggtatcccc atcagcagct tgccggagat cacgctgctg ctccgcctgc gtcacccgaa 180
catcgtggag ctgaaggagg tggttgtgag gaaccacctg gagagcatct tcctgggtgat 240
gggttactgt gagcaggacc tggccagcct cctggagaat atgccaacac ctttctcgga 300
ggctcagggtc aagtgcacgt tgctgcaggt gctccggggc ctccagtatc tgcacaggaa 360
cttcattatc cacagggacc tgaaggtttc caacttgctc atgaccgaca agggtttgtt 420
gaagacagcg gatttcgggc tggcccgggc ctatggtgtc ccagtaaagc caatgacccc 480
caagggtggtc actctctggt accgagcccc tgaactgctg ttgggaacca ccacgcagac 540
caccagcatc gacatgtggg ctgtgggctg catactggcc gagctgctgg cgcacaggcc 600
tcttctcccc ggcacttccg agatccacca gatcgacttg atcgtgcagc tgctgggcac 660
gccagtgag aacatctggc cgggcttttc caagctgcca ctggtcggcc agtacagcct 720
ccggaagcag ccctacaaca acctgaagca caagttccca tggctgtcgg aggcggggct 780
gcgcctgctg cacttctgt tcatgtacga ccctaagaaa agggcgacgg ccggggactg 840
cctggagagc tcctatttca aggagaagcc cctaccctgt gagccggagc tcatgccgac 900
ctttccccac caccgcaaca agcgggcccgc ccagccacc tccgagggcc agagcaagcg 960
ctgtaaaccg tgacggta                                     978

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<210> 67

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521886CB1

<400> 67

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tacgagccgg ctggaccttg ctggcccggc ggcgcatgag ccgcagcctg gactcggcgc 60
ggagcttctt ggagcggctg gaagcggggc ggcggccggg gggggcagtc ctgcggcg 120
agttcagcga catccaggcc tgctcggccg cctggaaggc tgacggcgtg tgctccaccg 180
tgggcggcag tcggccagag aacgtgagga agaaccgcta caaagacgtg ctgccttgta 240

```

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agtcgggggct tccgtagggga gtcgggtgcag ccttgccacgt cctgccacgt ccaggcgctca 300
gtgtgcactg gactcaccga ctgtgctctc ctcccagagc ctcaccctct gcactgctca 360
gcagcccaca agggcacctt ggtgggatct ctgcatgtgt gtgggtcccct gctggctttc 420
agctagggggg ctgtcagagg ctccgtcacc ctatcctacc caaactccac gtttctcacc 480
ttatctgctg acagatgatc agacgcgagt aatcctctcc ctgctccagg aagagggaca 540
cagcgactac attaatggca acttcatccg gaaaagggtg gagcgggtact gggcccagga 600
gcaggagcca ctgcagactg ggctttttct gcatcactct gatcaaggag aagtggctga 660
attgaggaca tcatgctcag gacctcaag gtcacattcc agaaggagtc ccgttctgtg 720
taccagctac agtatatgtc ctggcagacc gtgggggtccc cagcagtcct gaccacatgc 780
tcggcatggt tggaggaagc ccgtcgcctc agggatctgg cctgaaccct ctgtgtccca 840

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<210> 68
 <211> 744
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7521897CB1

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<400> 68
tgccccggac ctgagtgcct ccccatggag gcgccccggc cggcccaggc ggccgcggcg 60
gagagcaact cccgagaggt gacggaggat gccgccgact gggcgcccgc gctctgcccc 120
agccccgagg cgcggtcgcc ggaggcgctt gcctaccgcc tgcaggactg cgacgcgctg 180
gtcaccatgg gactcgggac gttcgggctg gtgcacctgg tgaaggagaa gacagccaag 240
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cacgtgcaca atgagaagtc tgtcctgaag gaagtcagcc acccggttct catcaggctg 360
ttctggacgt ggcagtagga gcgcttcctc tacatgctca tggagtatgt gccgggtggc 420
gagctcttca gctacctgcg caaccggggg cacttctcca gcaccacggg gctcttctac 480
tctgcggaga tcatctgtgc cattgagtac ctgcactcca aggagatcgt ctacagggat 540
ttgaagccgg agaacatcct gctggatagg gatggtcaca tcaagctcac ggactttggg 600
tttgccaaga agctggtaga caggtttctt ccattttttg atgacaaccc gtttggcatt 660
tatcagaaaa ttcttgacag caaactatat ttccccagac atttgattt ccatgtaaaa 720
acggggcgaa tgatgtgaac caca                                     744

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<210> 69
 <211> 427
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7521995CB1

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<400> 69
tatggcggaa caggctacca agtccgtgct gtttgtgtgt ctgggtaaca tttgtcgatc 60
acccattgca gaagcagttt tcaggaaact tgtaaccgat caaaacatct cagagaattg 120
gagggtagac agcgcggcaa cttccgggta tgagataggg aacccccctg actaccgagg 180
gcagagctgc atgaagaggc acggcattcc catgagccac gttgcccggc agagatttga 240
atagaaaaag taatcaagtt aaaacctgca aagctaaaaat tgaactactt gggagctatg 300
atccacaaaa acaacttatt attgaagatc cctattatgg gaatgactct gactttgaga 360
cggtgtacca gcagtgtgtc aggtgctgca gagcgttctt ggagaaggcc cactgaggca 420
ggttcgt                                     427

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<210> 70
 <211> 1341
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522018CB1

<400> 70

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tcaggacatg gagctcgaga acatcggtggc caactcgctg ctgctgaaag cgcgtcaaga 60
aaaggattat agcagtccttt gtgacaagca accgatagga agacgtctct tcaggcagtt 120
ctgtgatacc aaaccctactc taaagaggca cattgaattc ttggatgcag tggcagaata 180
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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521743CB1

<400> 72

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<211> 1084

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7522317CB1

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<211> 834

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<213> Homo sapiens

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<223> Incyte ID No: 7522400CB1

<400> 74

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<212> DNA

<213> Homo sapiens

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<400> 75

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<211> 1640

<212> DNA

<213> Homo sapiens

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<210> 77

<211> 1810

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523546CB1

<400> 77

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<210> 78

<211> 1484

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523552CB1

<400> 78

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<210> 79

<211> 1675

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523564CB1

<400> 79

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<210> 80

<211> 1489

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 7523572CB1

<400> 80

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<210> 81

<211> 1775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523586CB1

<400> 81

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<210> 82

<211> 2776

<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7523617CB1

<400> 82

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<211> 1683
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7523625CB1

<400> 83

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<210> 84

<211> 2020

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523650CB1

<400> 84

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<210> 85

<211> 1369

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523665CB1

<400> 85

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<210> 86

<211> 1759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523672CB1

<400> 86

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<211> 2480

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523687CB1

<400> 87

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<210> 88

<211> 1828

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523689CB1

<400> 88

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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7523707CB1

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 <211> 1696
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<220>
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<210> 93

<211> 2432

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523720CB1

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<210> 94

<211> 2009

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523737CB1

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<210> 95

<211> 1711

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523742CB1

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<210> 96

<211> 1677

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523743CB1

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<210> 97

<211> 1876

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523745CB1

<400> 97

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1876

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<211> 2363

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523757CB1

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<211> 2032

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523770CB1

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<210> 100

<211> 2299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523919CB1

<400> 100

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<210> 101

<211> 1792

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 7522140CB1

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<213> Homo sapiens

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<211> 1168

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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